

Fig. 1

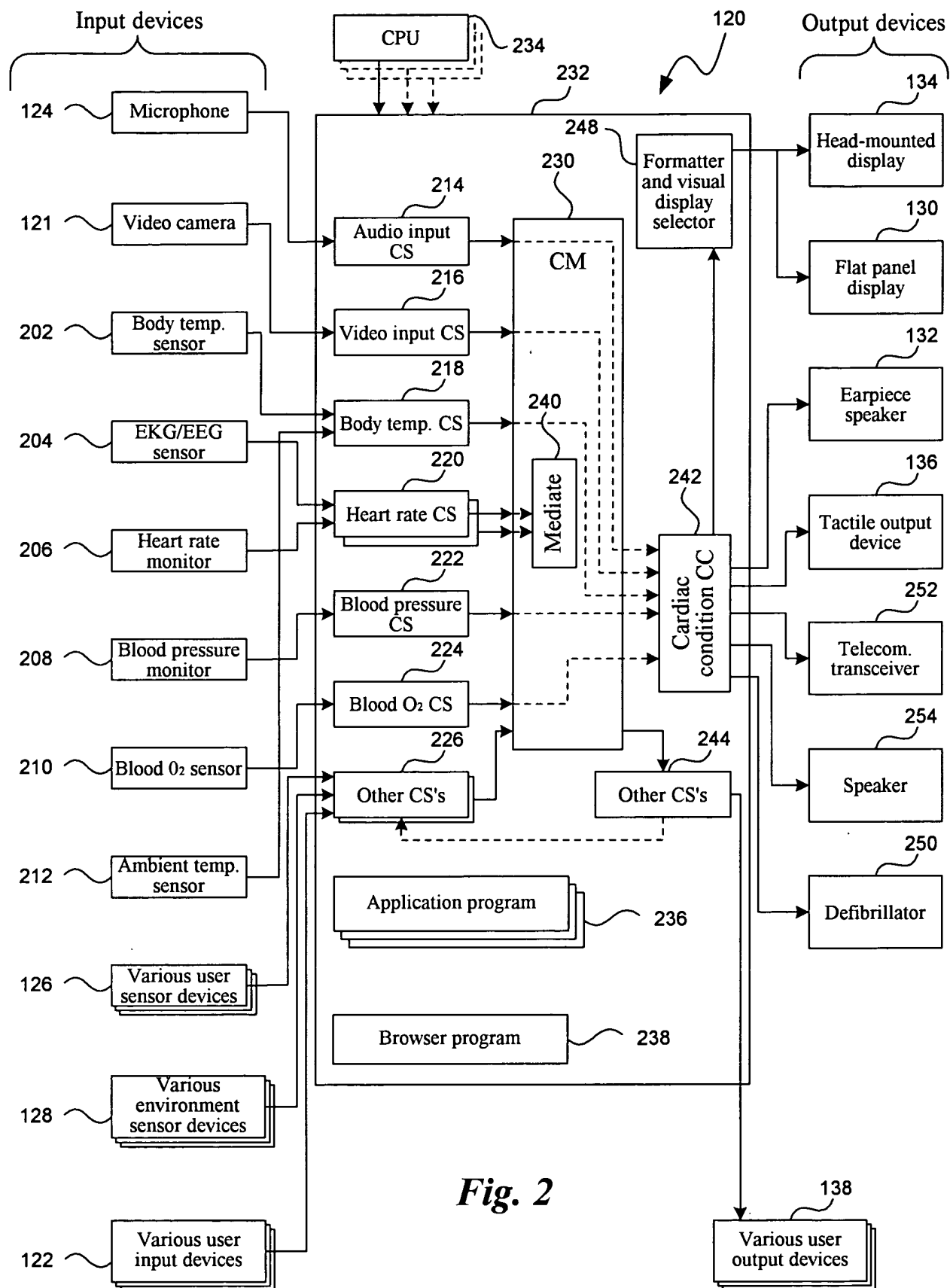


Fig. 2

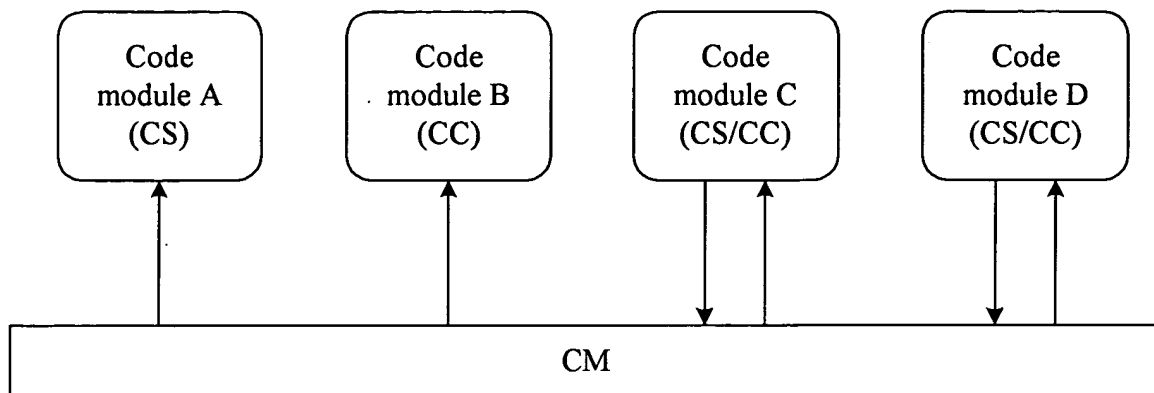


Fig. 3

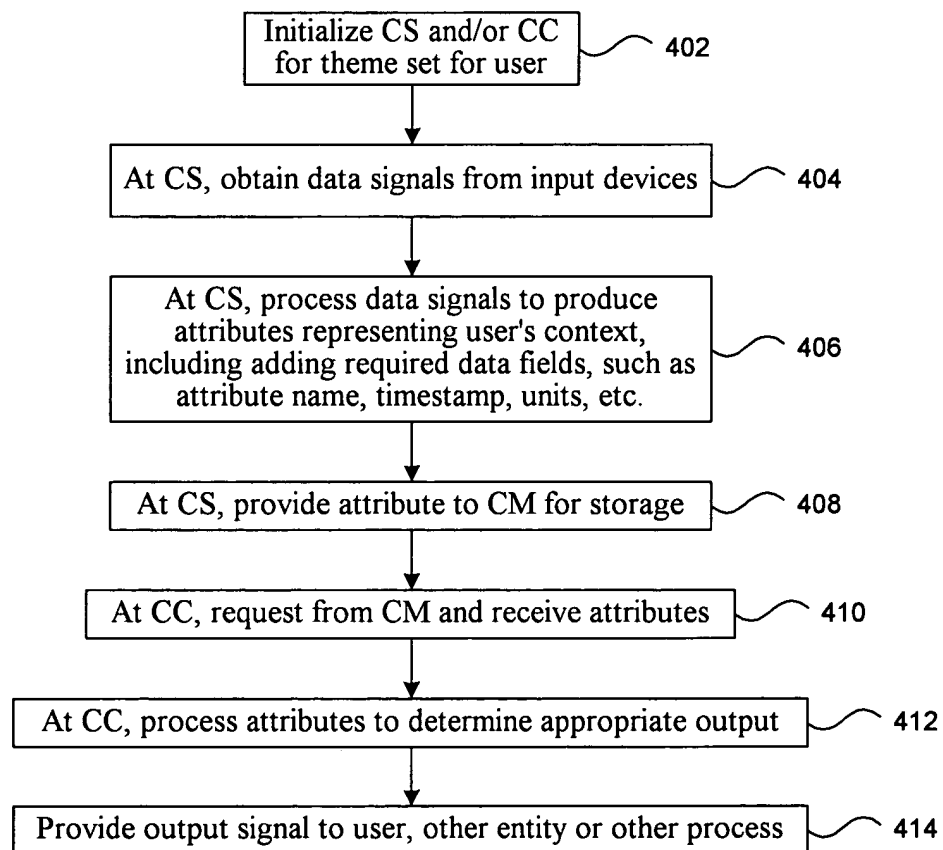


Fig. 4

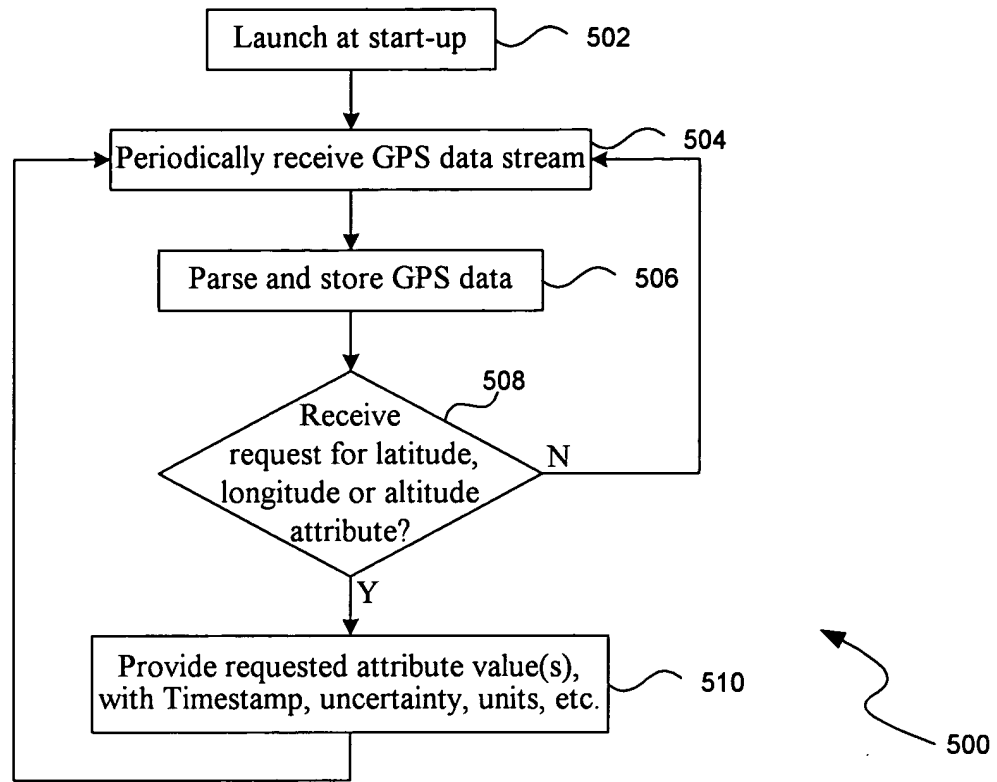


Fig. 5A

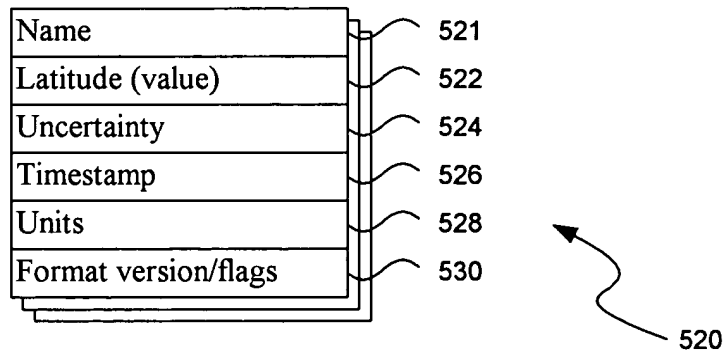


Fig. 5B

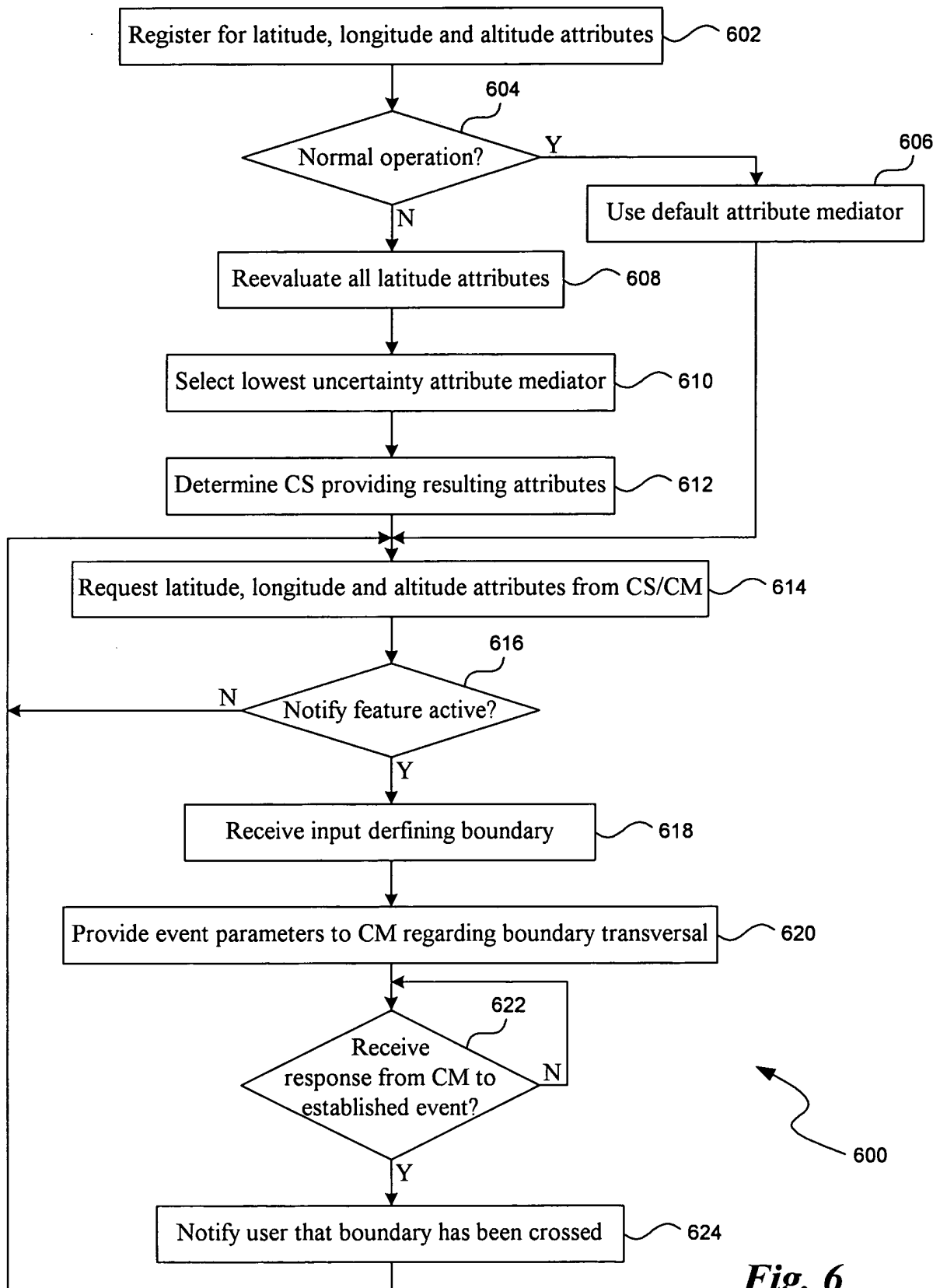
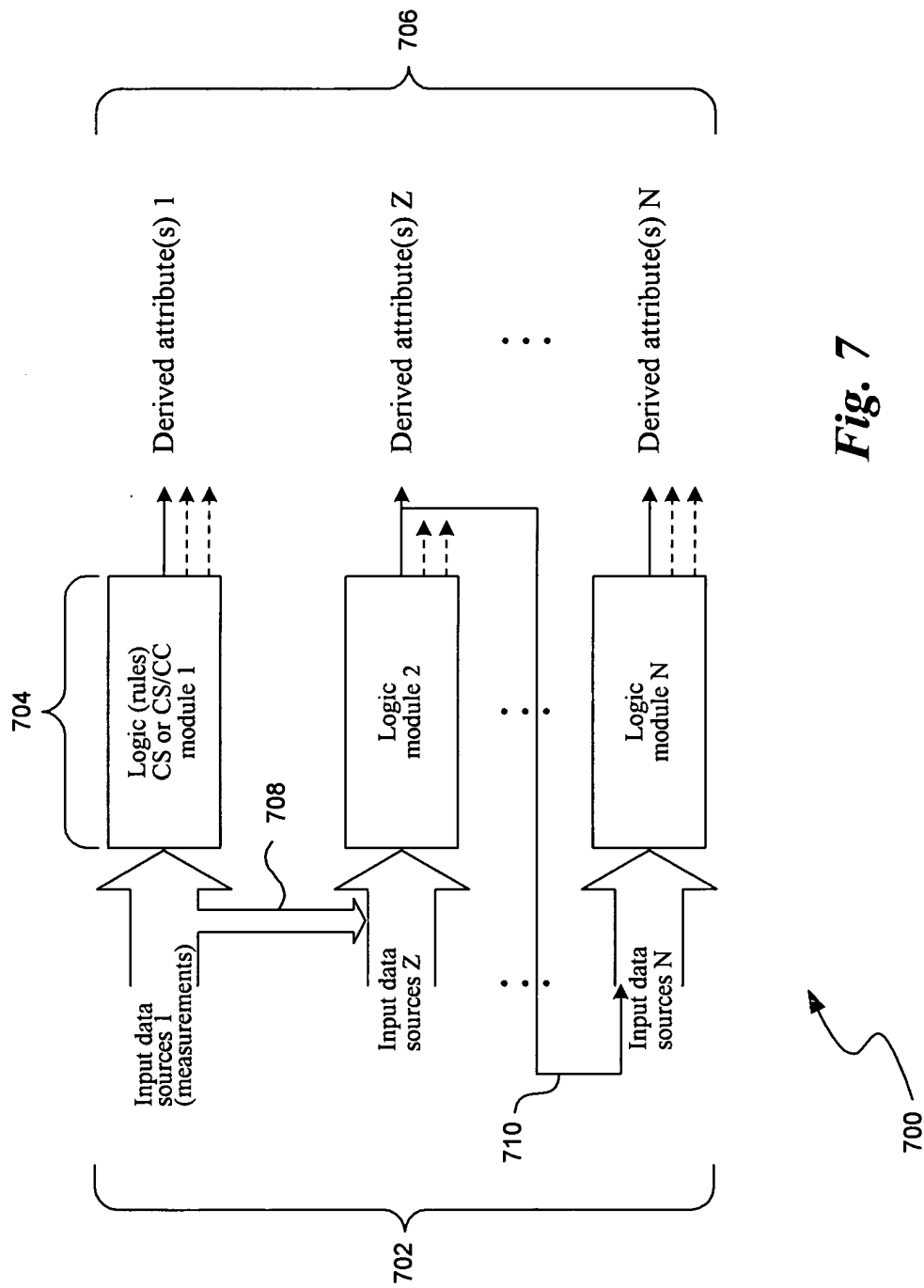


Fig. 6



User.

- Desired_privacy_level
- Interruptibility
- Speed
- Direction
- Acceleration
- Availability.
 - Cognitive_availability
 - Tactile_availability
 - Manual_availability
 - Visual_availability
 - Oral_availability
 - Auditory_availability
- Proximity.<Item or place name>
- Mood.
 - Happiness
 - Sadness
 - Anger
 - Frustration
 - Confusion
- Activity.
 - Driving
 - Eating
 - Running
 - Sleeping
 - Talking
 - Typing
 - Walking
- Location.
 - Place_name
 - Latitude
 - Longitude
 - Altitude
 - Room
 - Floor
 - Building
 - Address
 - Street
 - City
 - County
 - State
 - Country
 - Postal_Code
- Destination. (same as User.Location.)
- Physiology.
 - Pulse
 - Body_temperature
 - Blood_pressure
 - Respiration

Person.<name or ID>. (same as User.)

Platform.

- UI.
 - Oral_input_device_availability
 - Manual_input_device_availability
 - Tactile_output_device_availability
 - Visual_output_device_availability
 - Auditory_output_device_availability

Platform. (continued)

- CPU.
 - Load
 - Speed
- Memory.
 - Total_capacity
 - Used
- Storage.
 - Total_capacity
 - Used
- Connectivity.
 - Connection_status
 - Connection_speed
 - Connection_type/device
 - Connection_activity
- Power.
 - Power_source
 - Power_level

Environment.

- People.
 - Nearest
 - Number_present
 - Number_close
- Local.
 - Time
 - Date
 - Temperature
 - Pressure
 - Wind_speed
 - Wind_direction
 - Absolute_humidity
 - High_forecast_temperature
 - Low_forecast_temperature
 - People_present
 - Ambient_noise_level
 - Ambient_light_level
 - Days.<previous or future>.
 - High_temperature
 - Low_temperature
 - Precipitation_type
 - Precipitation_amount
- Place.<place name>. (same as Environment.Local)

Application.

- Mail.
 - Available
 - New_messages_waiting
 - Messages_waiting_to_be_sent
- Phone.
 - Available
 - In_use
 - On/off
 - Notification_mechanism
 - Call_incoming
 - Caller_ID
- Sound_recorder.
 - Available
 - Recording

Fig. 8

User Setting

- Mental Context
 - Meaning
 - Cognition
 - Divided User Attention
 - Task Switching
 - Background Awareness
 - Solitude
 - Privacy
 - Desired Privacy
 - Perceived Privacy
 - Social Context
 - Affect
- Physical Situation
 - Body
 - Biometrics
 - Posture
 - Motion
 - Physical Encumberment
 - Senses
 - Eyes
 - Ears
 - Tactile
 - Hands
 - Nose
 - Tongue
 - Workload demands/effects
 - Interaction with computer devices
 - Interaction with people
 - Physical Health
- Environment
 - Time/Space
 - Objects
 - Persons
 - Audience/Privacy Availability
 - Scope of Disclosure
 - Hardware affinity for privacy
 - Privacy Indicator for User
 - Privacy Indicator for Public
 - Watching Indicator
 - Being Observed Indicator
- Ambient Interference
 - Visual
 - Audio
 - Tactile

Computer

- Power
- Configuration
 - User Input Systems
 - Hand/Haptic
 - Keyboard/Keystrokes
 - Voice/Audio
 - Eye Tracking
 - Cursors
 - Axis
 - Resolution
 - Selection
 - Invocation
 - Accelerators
 - Output Systems
 - Visual
 - Resolution
 - Audio
 - Public/Private
 - Haptic
 - External Resources
 - I/O devices
 - Connectivity
- Data
 - Quantity/State
 - Urgency/Importance
 - Use of Prominence
 - Modality
 - Sensitivity/Purpose
 - Privacy Issues
 - Use of Association
 - Use of Safety
 - Source/Ownership
 - Types
 - User generated
 - Other computers or people
 - Sensor
 - PC State
 - Use of Association

Fig. 9

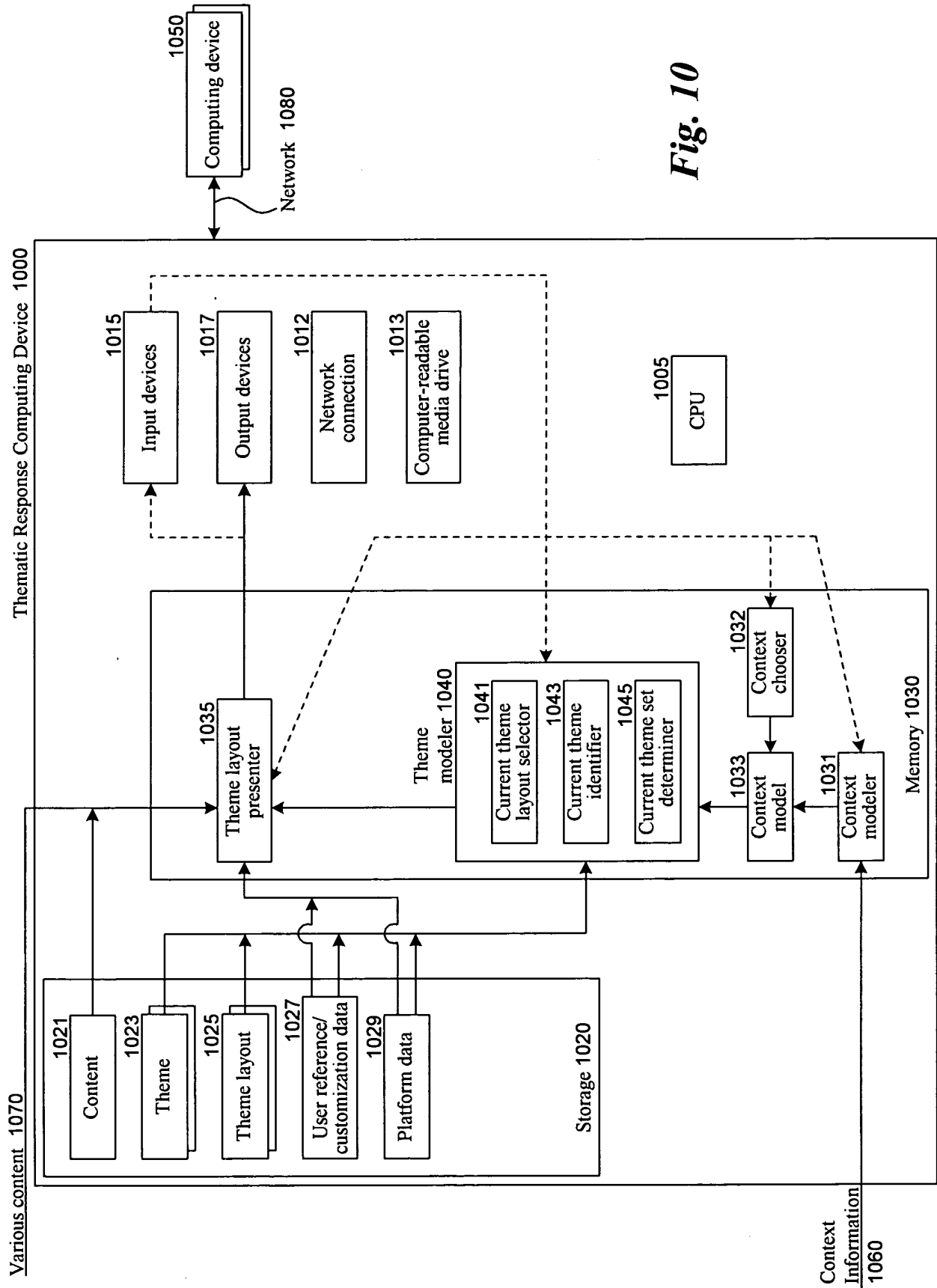
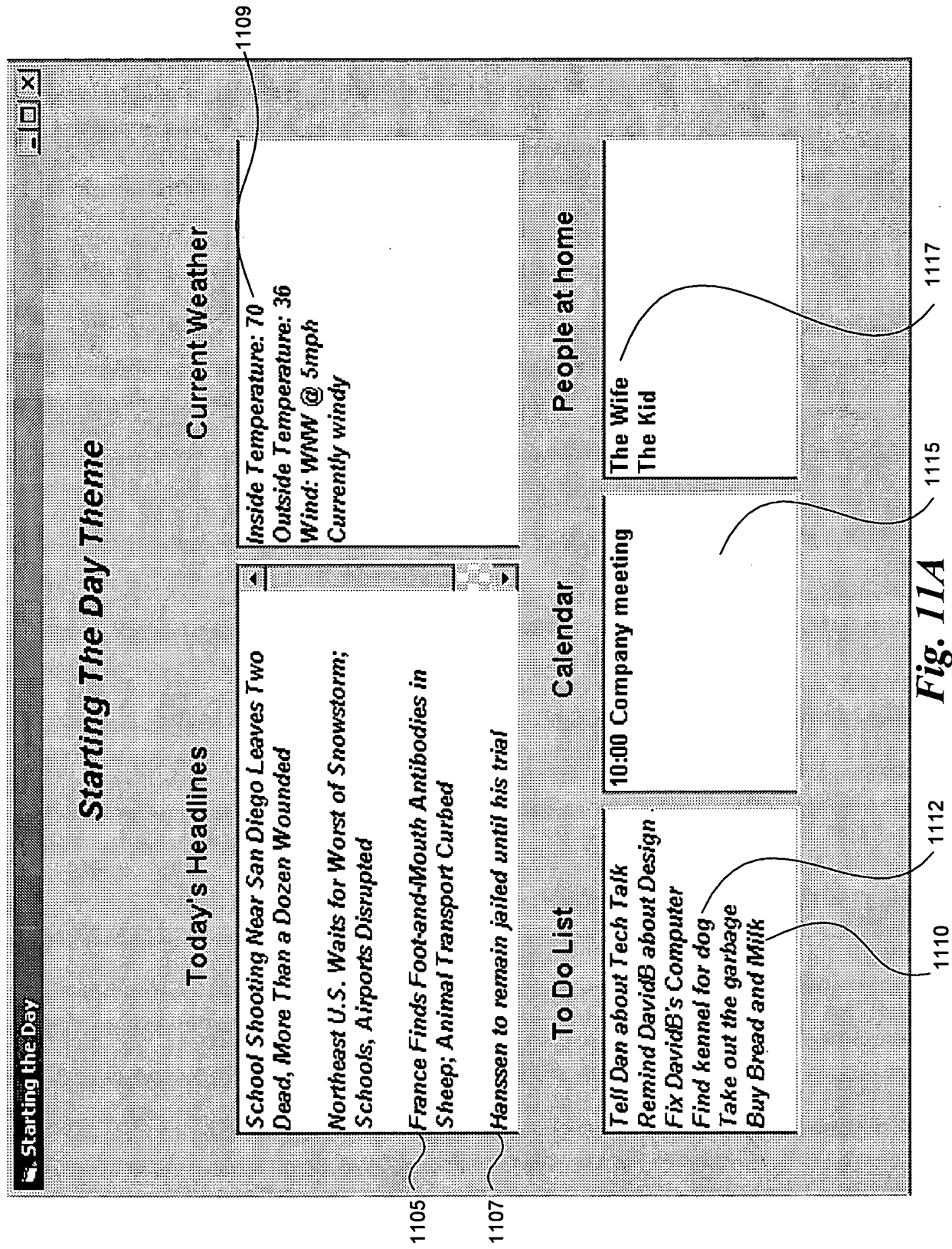


Fig. 10



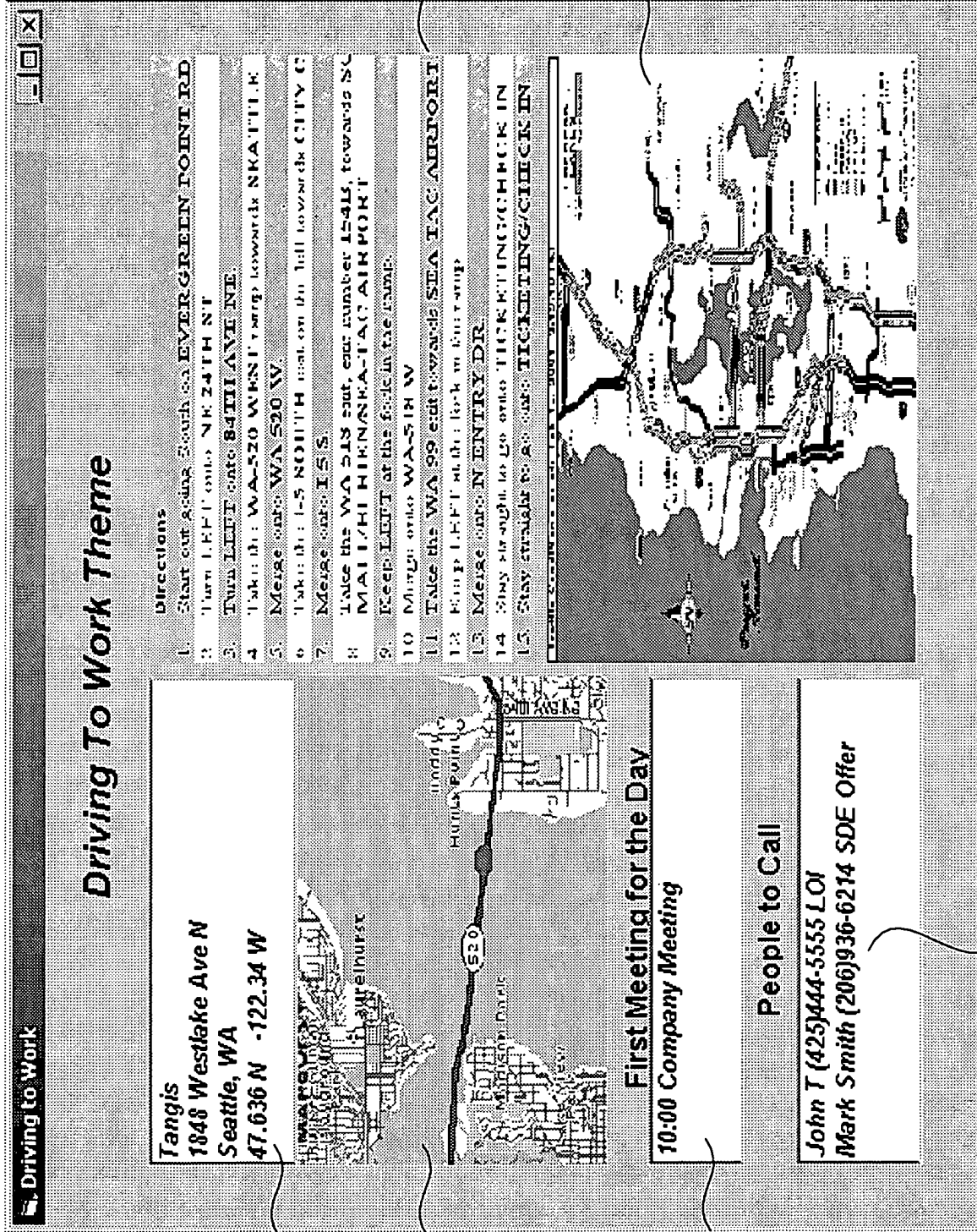


Fig. 11B

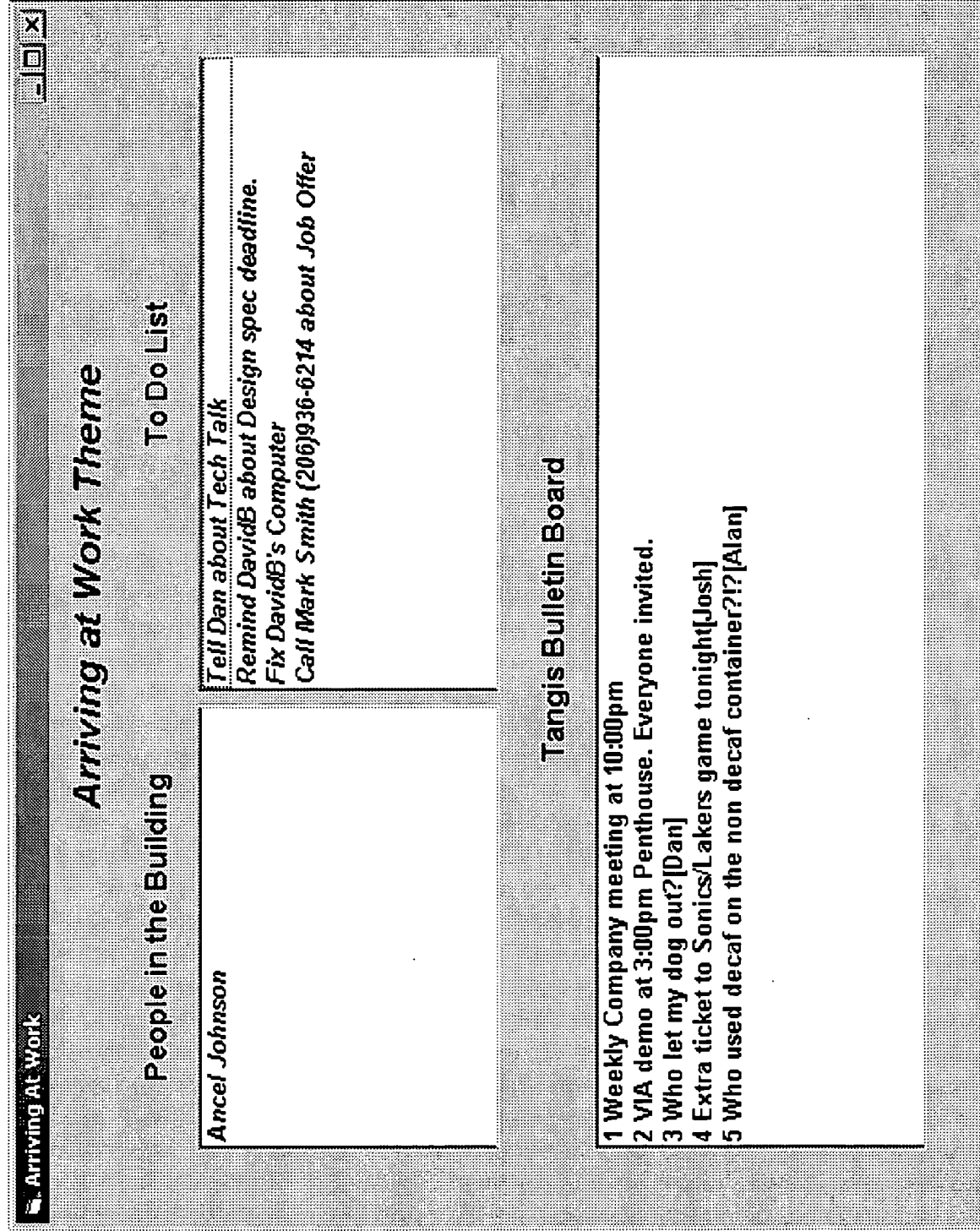


Fig. 11C

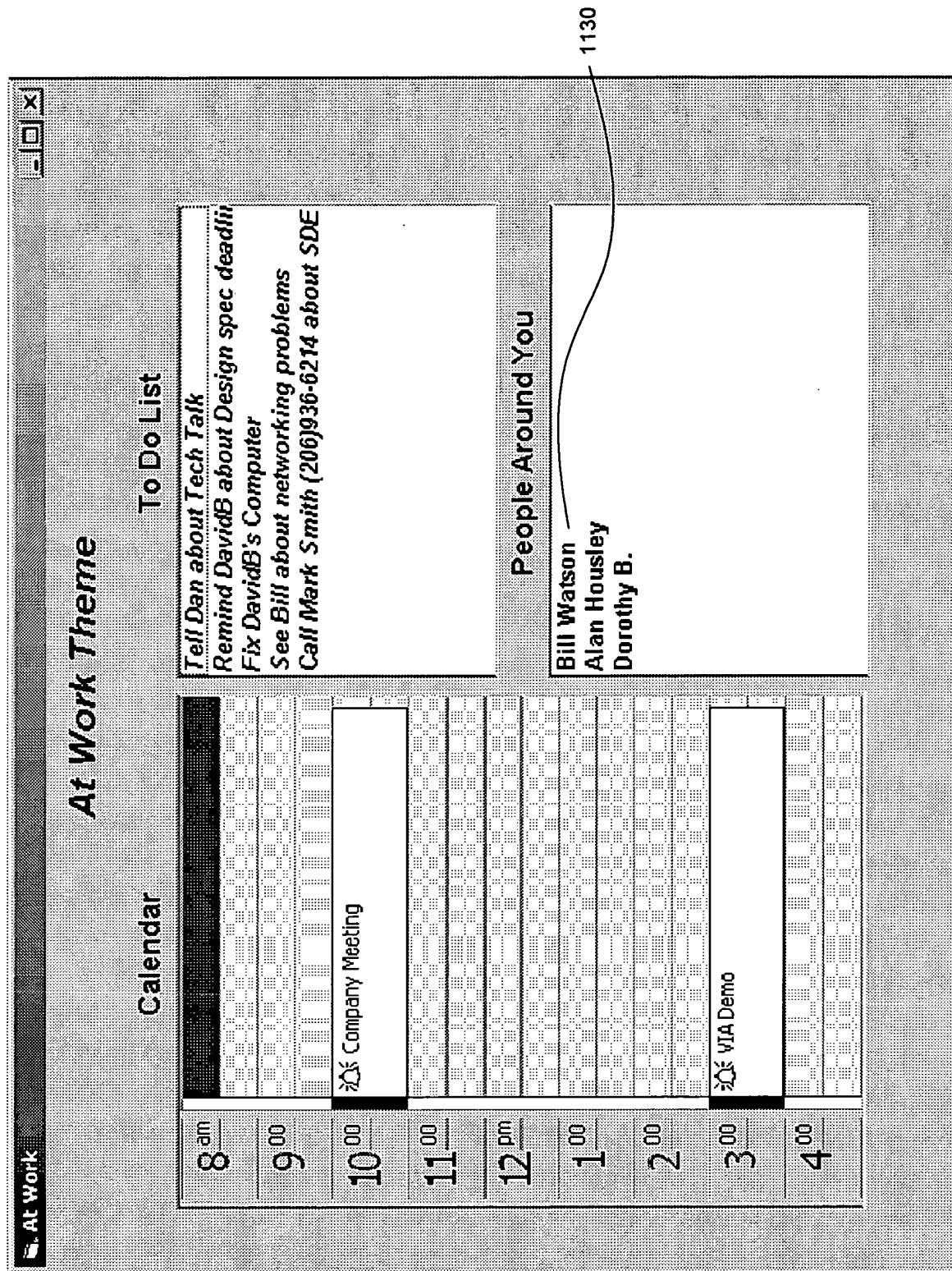


Fig. 11D

1135

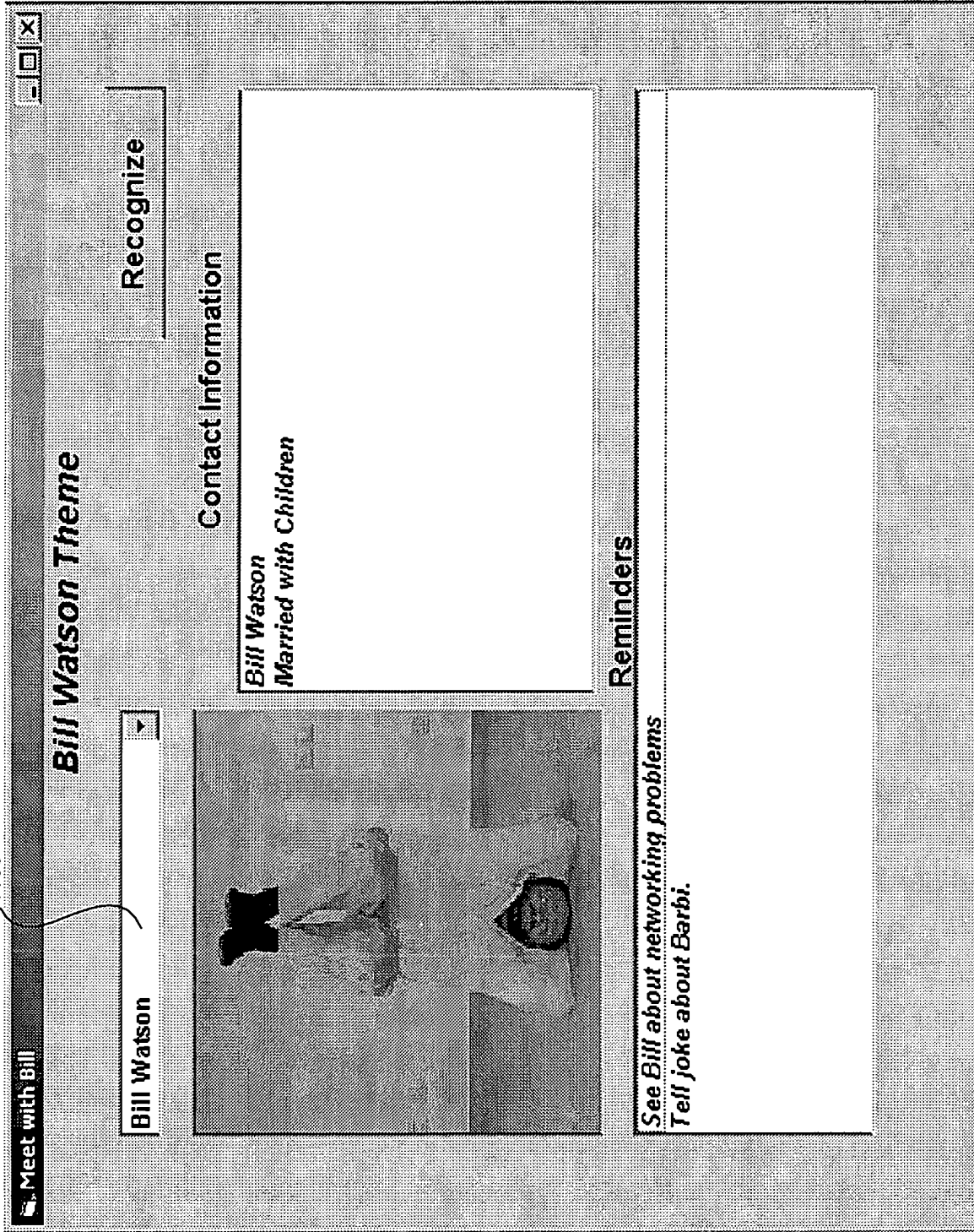


Fig. 11E

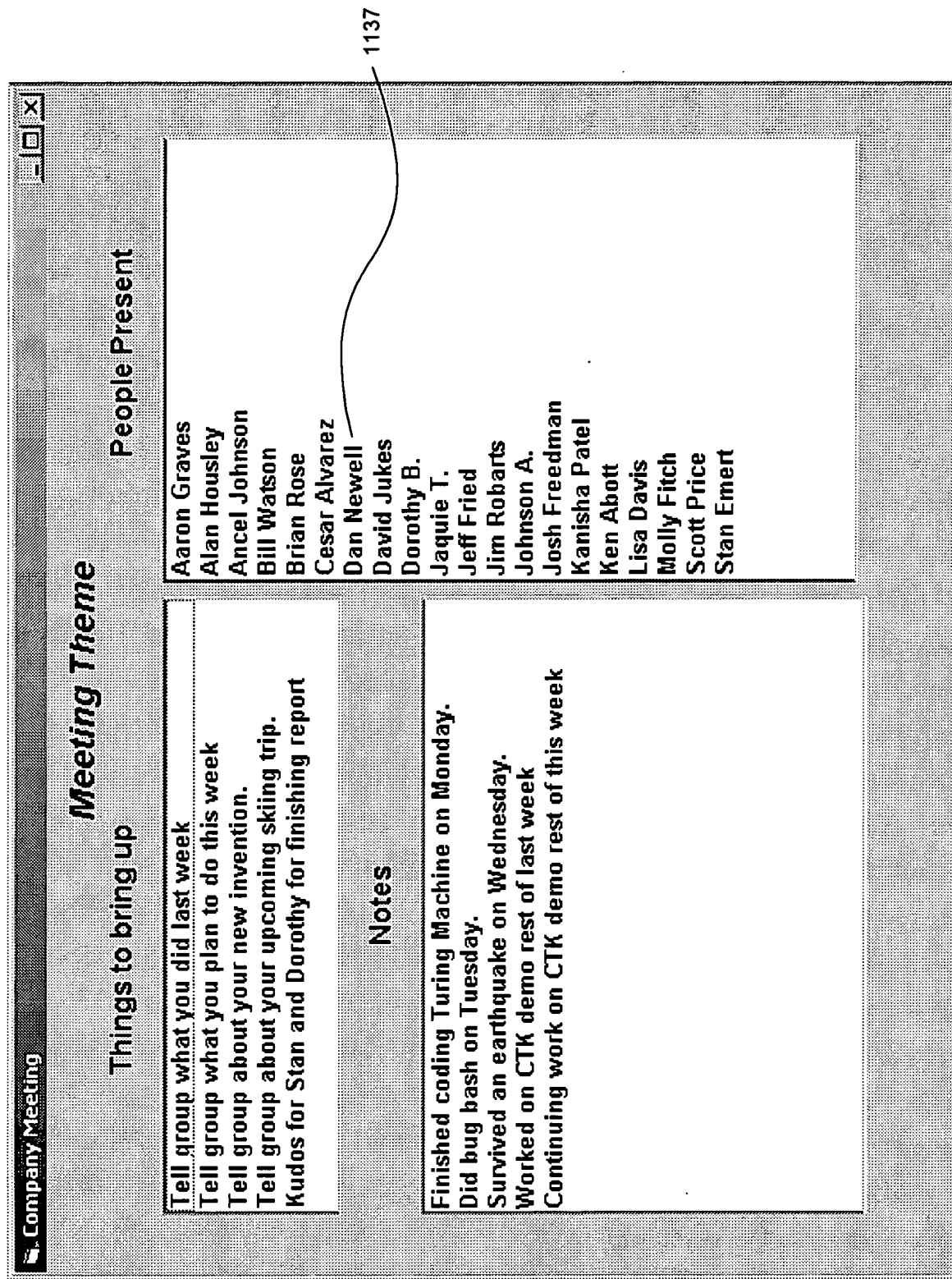


Fig. 11F

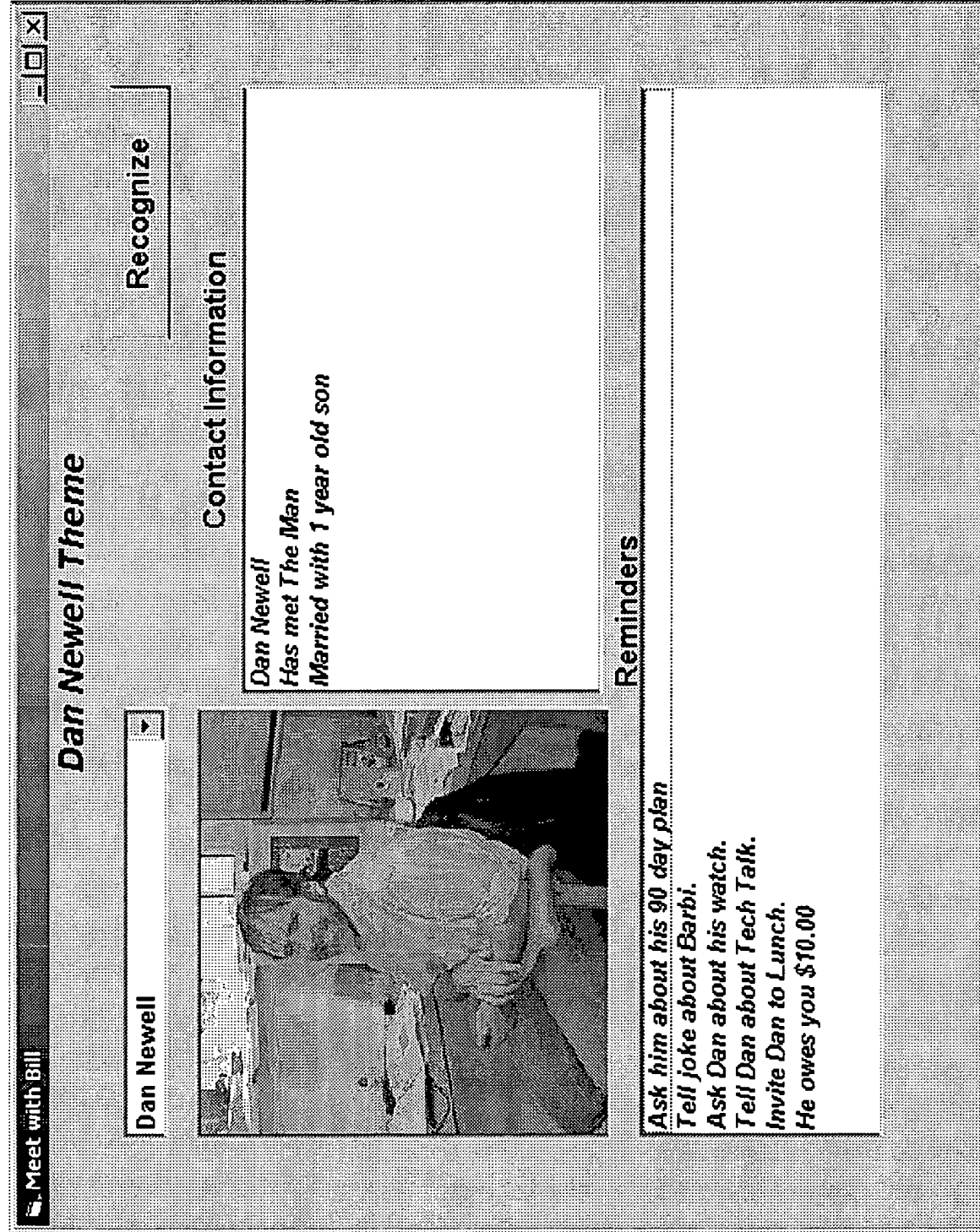


Fig. 11G

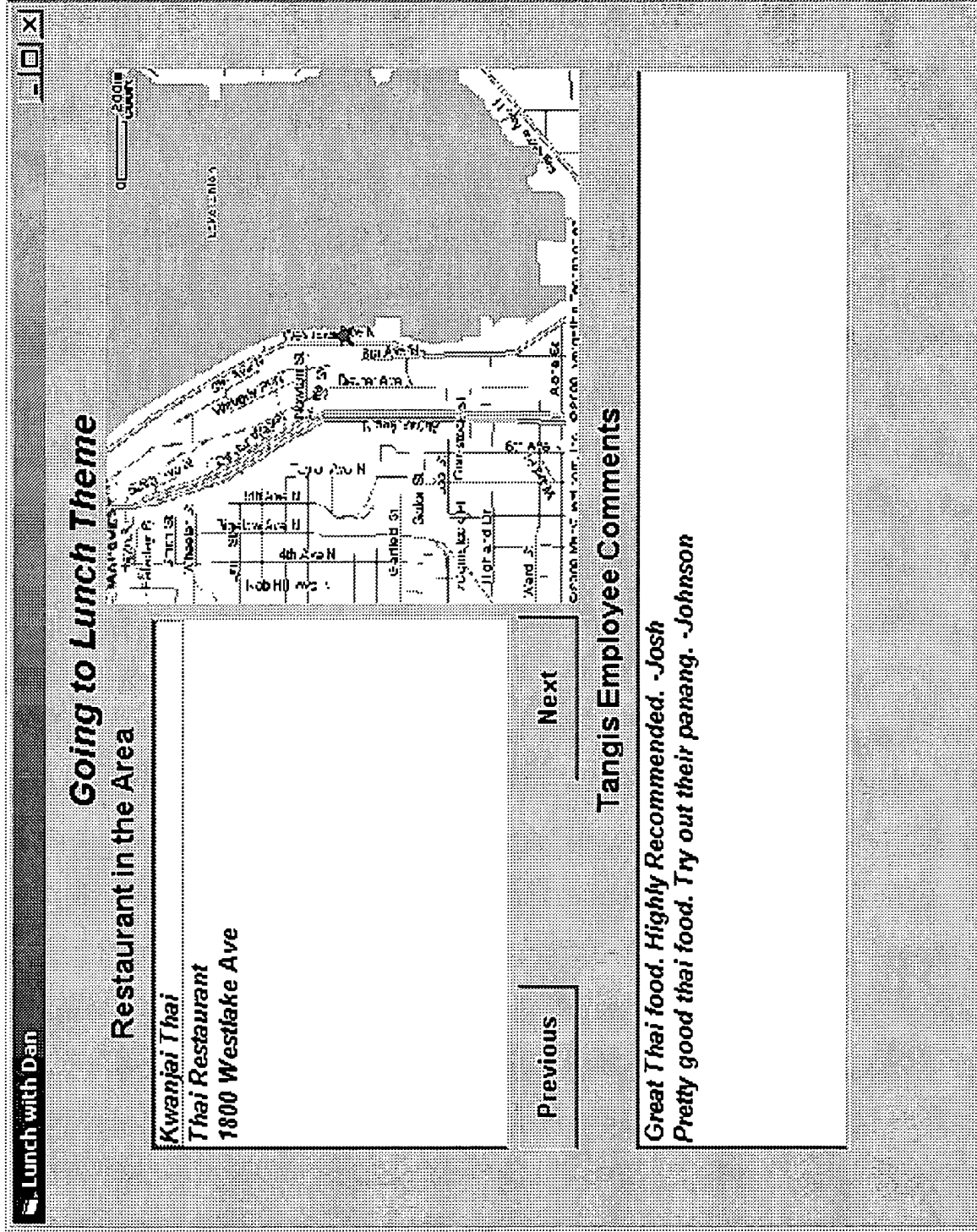


Fig. 11H

Repairing a PC

Repairing a PC Theme

Computer Equipment

Josh's Computer

Description

Dell XPS 4000

Purchase Date: 11/20/2000

Tangis Tag: PC001

Software Installed

Office 2000

Visual Studios 6.0

MS Entertainment Pack

Boeing Marketing Tutorial: How to talk like a techie

Hardware Installed

Creative Sound Blaster 10.0 card

Ricoh 32X CDRW

MS USB Microphone

Intel TR1688 100Mbps Token Ring

Notes

Currently inoperative

Josh noticed a loud noise coming from the hard disk.

He said it might be a problem with the disk's brake pads.

If he mentions this again, humor him.

Fig. 111

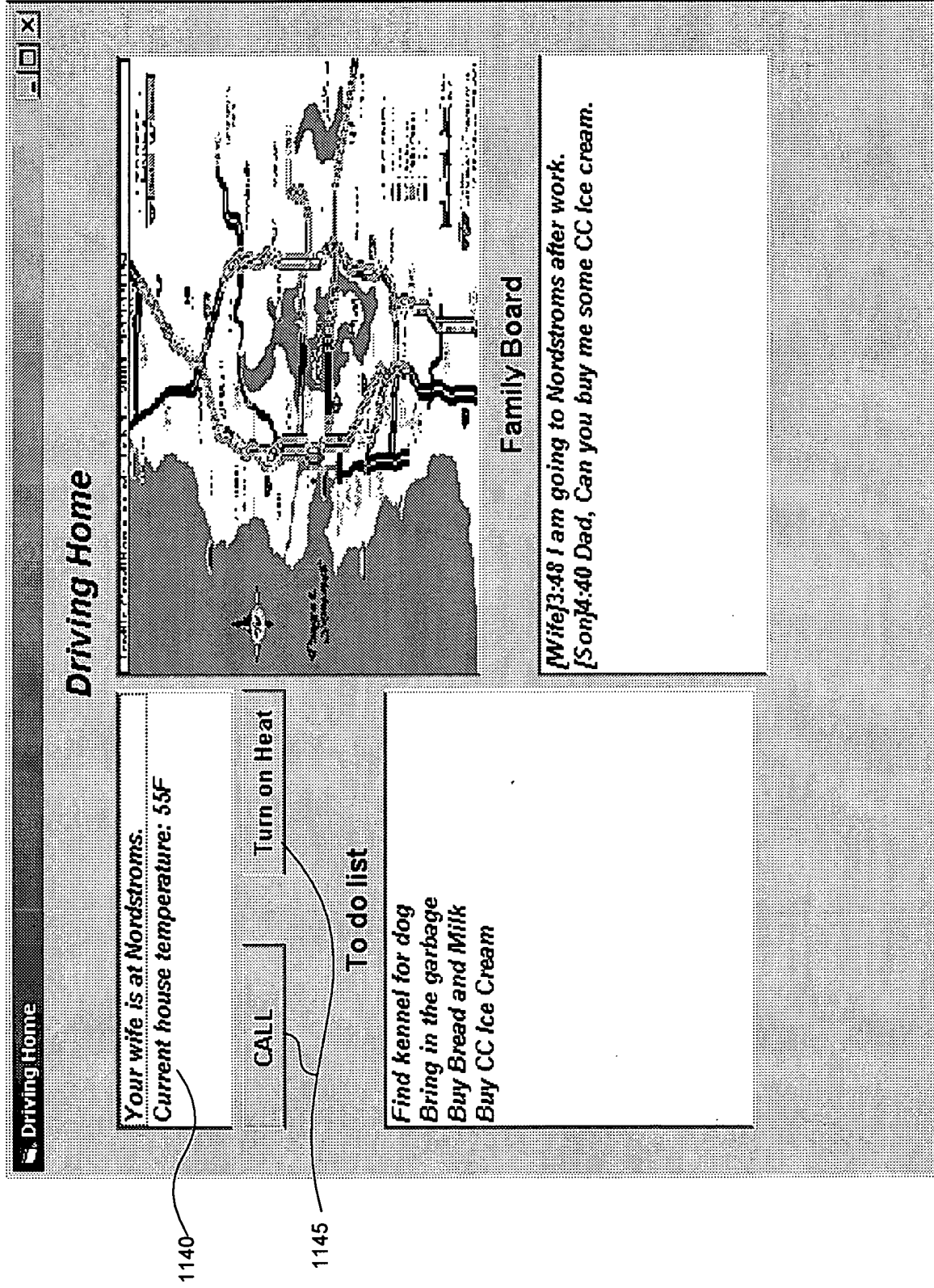


Fig. 11J

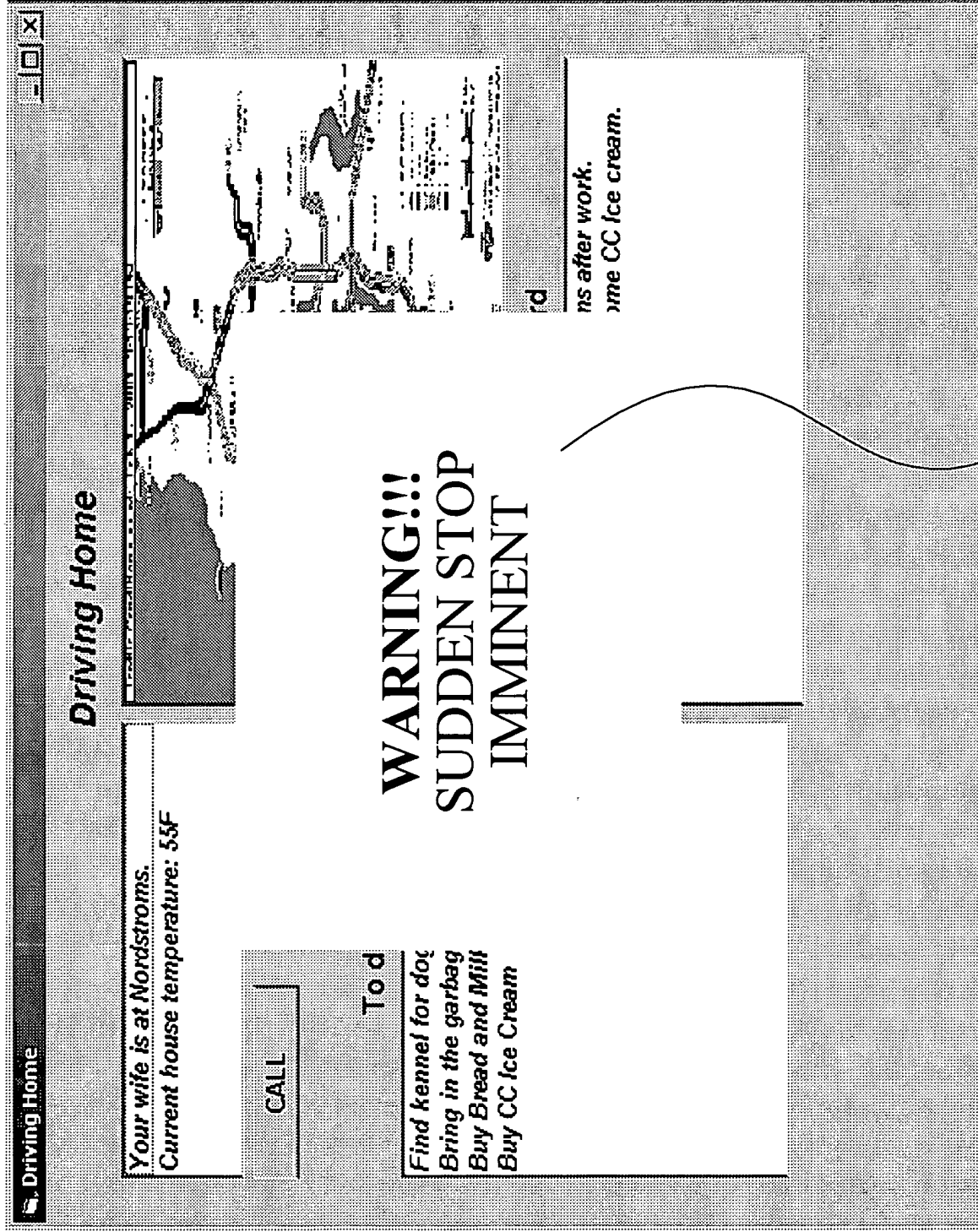


Fig. 11K

Arriving Home

Arriving Home

To do list

Find kennel for dog.
Bring in the garbage.
Help Junior with Homework.

What's on TV

07:00 Komo TV Local News (4)
07:30 Wall Street Week (9)
08:00 Survivor III (7)
09:00 X-Files (13)
10:00 Big Apple (7)

Family Board

[Spouse]3:48 I am going to Nordstroms after work.
[Son]4:40 Dad, Can you buy me some CC Ice cream.
[Spouse]5:15 I'll be home at around 6:30. Get dinner.
[You]5:15 Sure Son.
[You]6:00 I'm home.

People At Home

The Wife
The Kid

Fig. 11L

Example Current Theme Selection

Select A New Current Theme

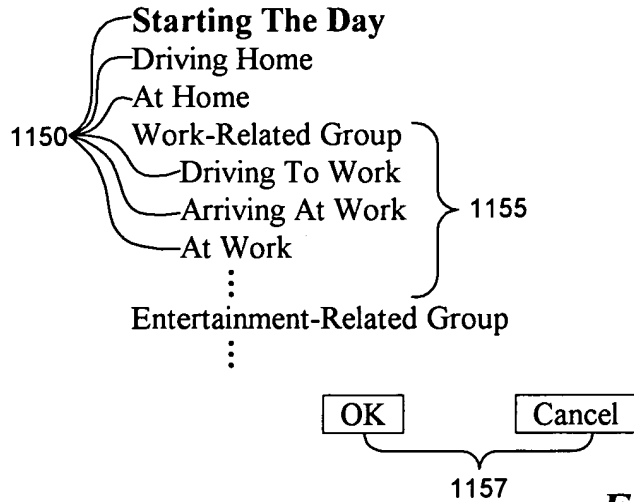


Figure 11M

Example Current Theme Set Modification

Current Theme Set

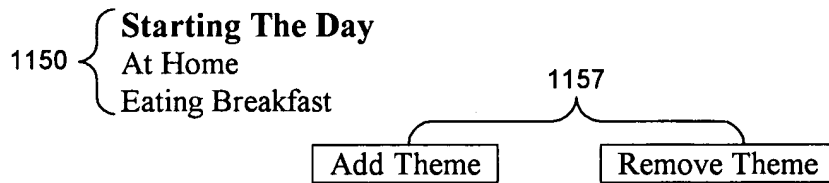


Figure 11N

Example Current Theme Layout Selection

Select A New Current Theme Layout

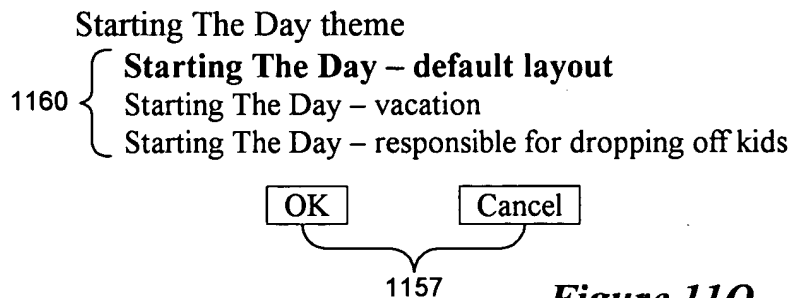


Figure 11O

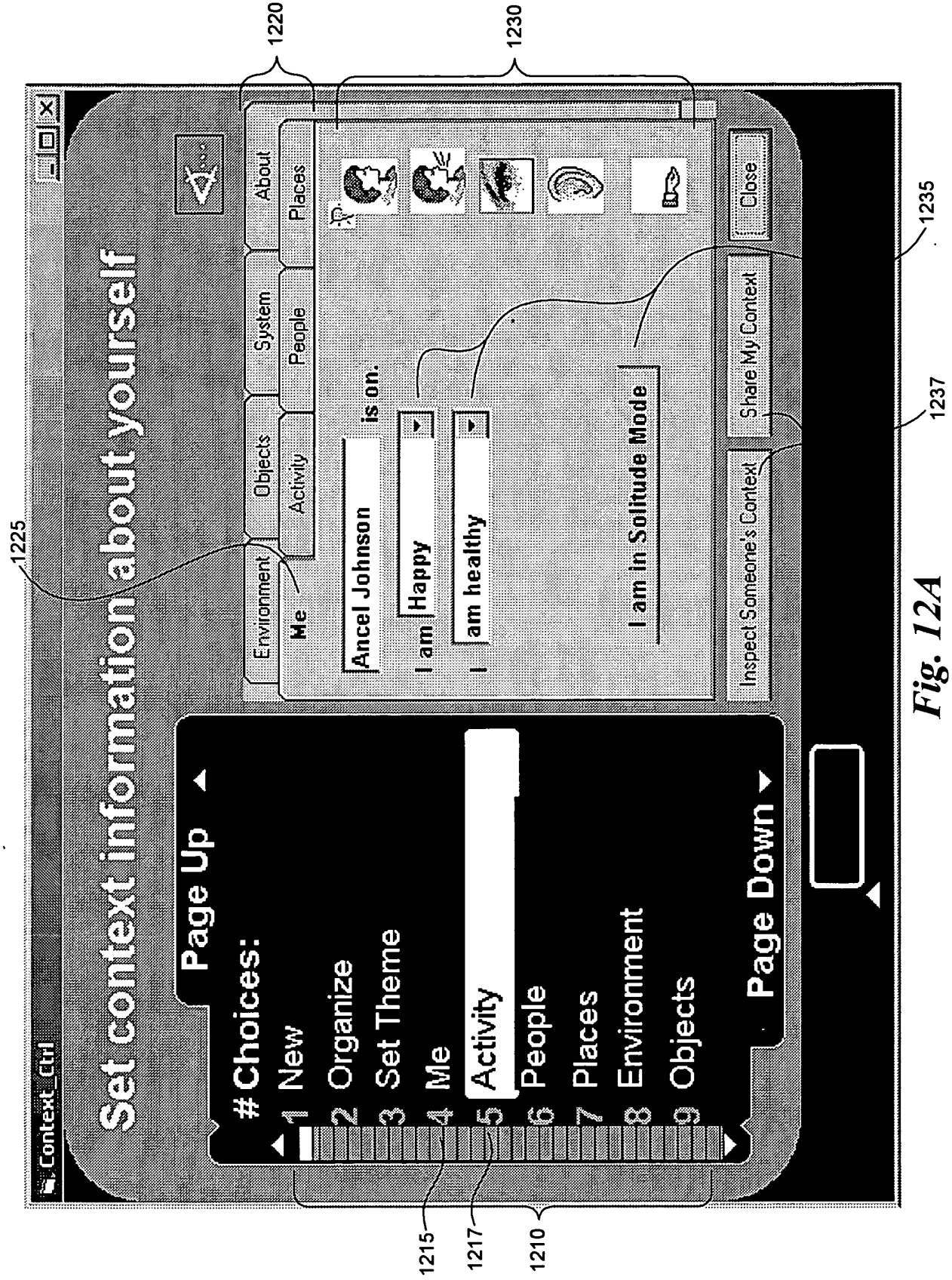


Fig. 12A

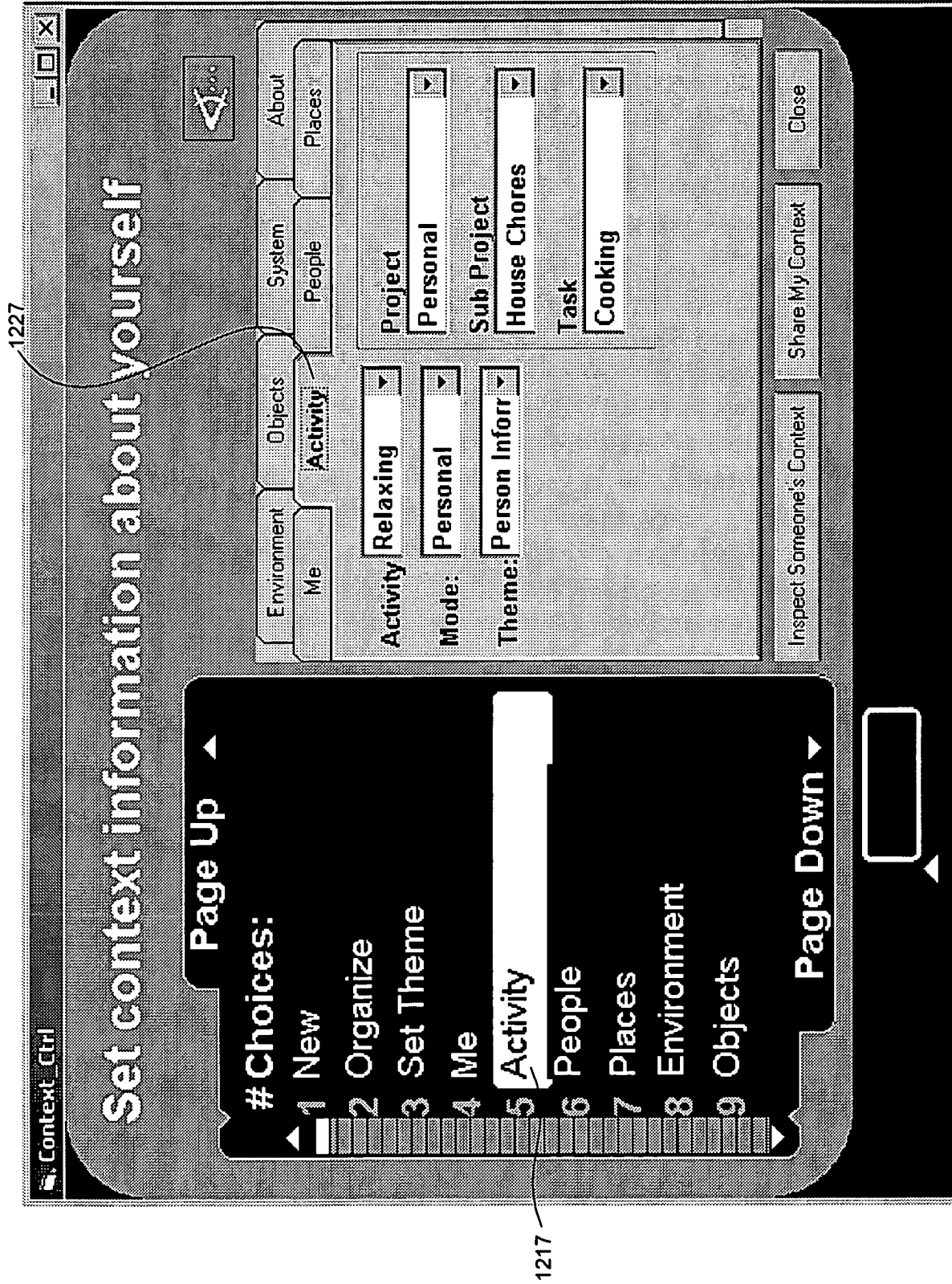


Fig. 12B

1241

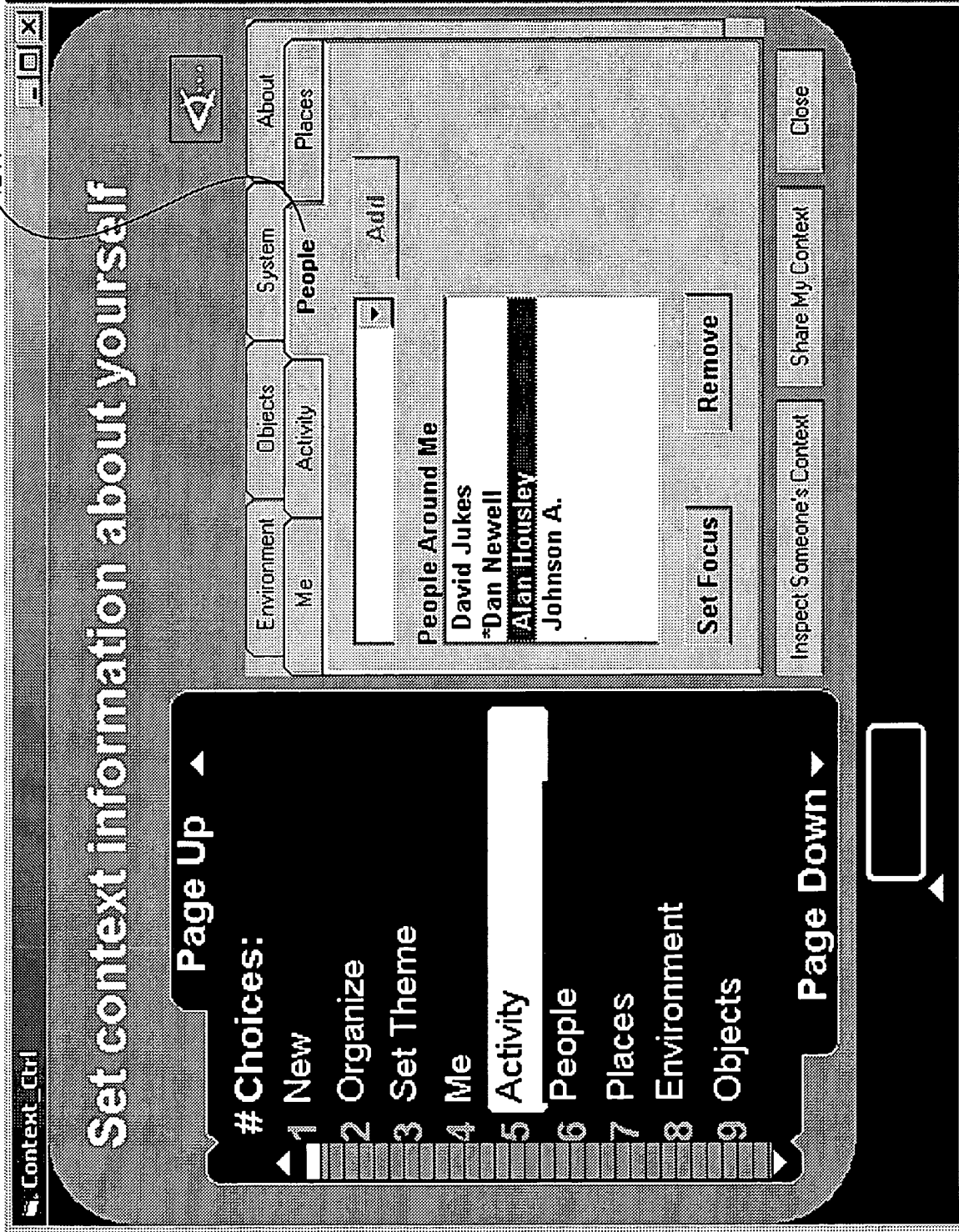


Fig. 12C

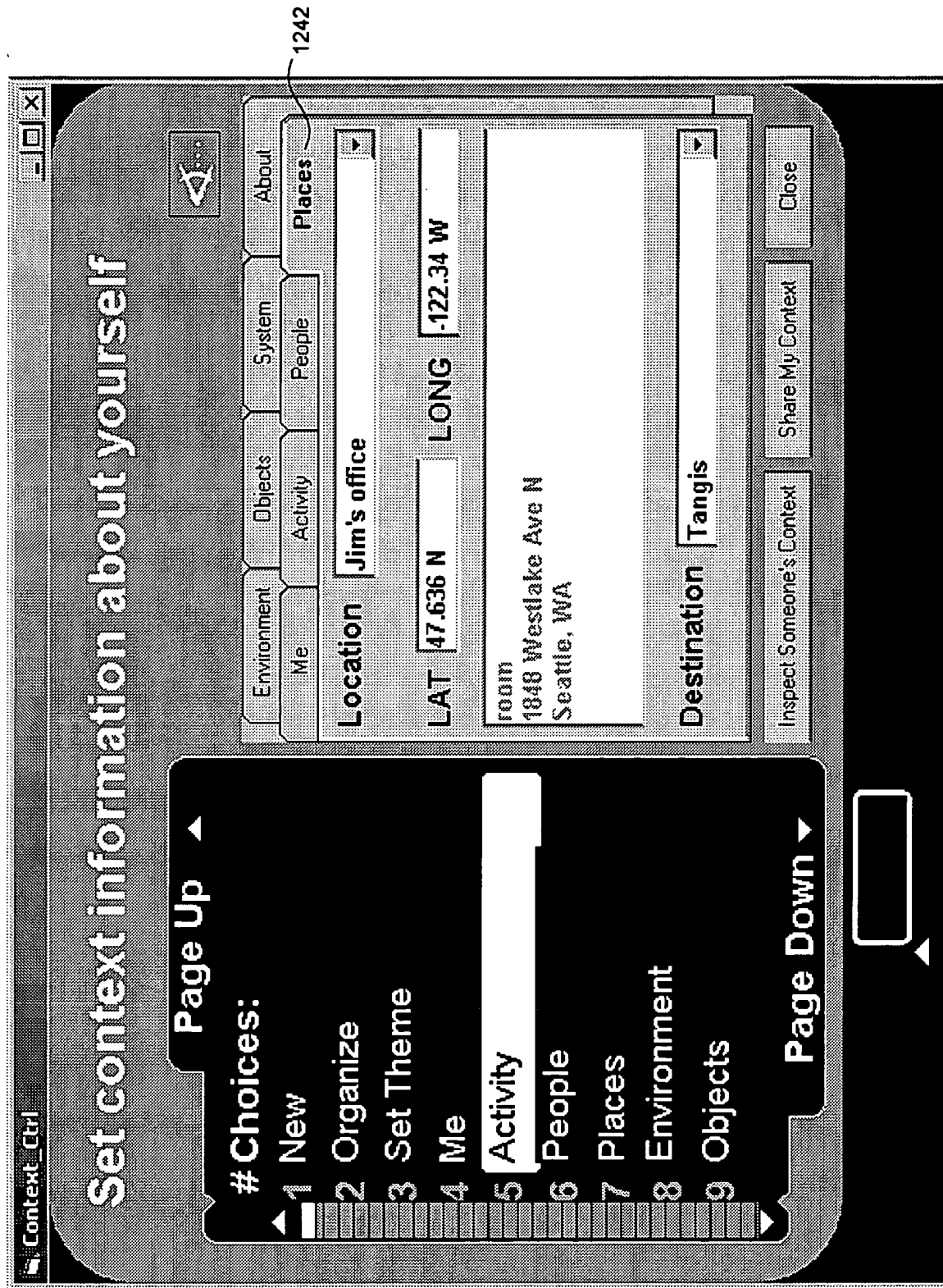


Fig. 12D

1243

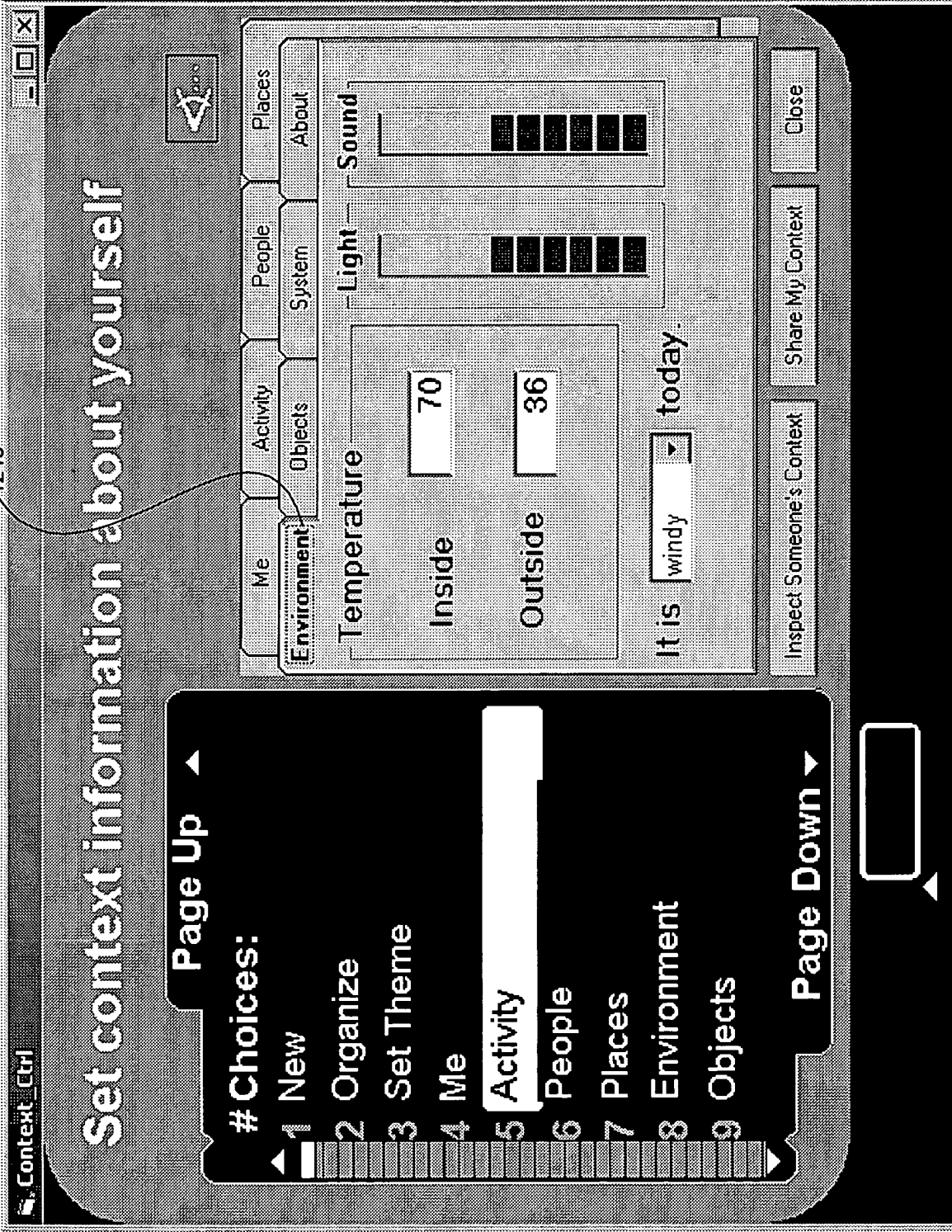


Fig. 12E

1244

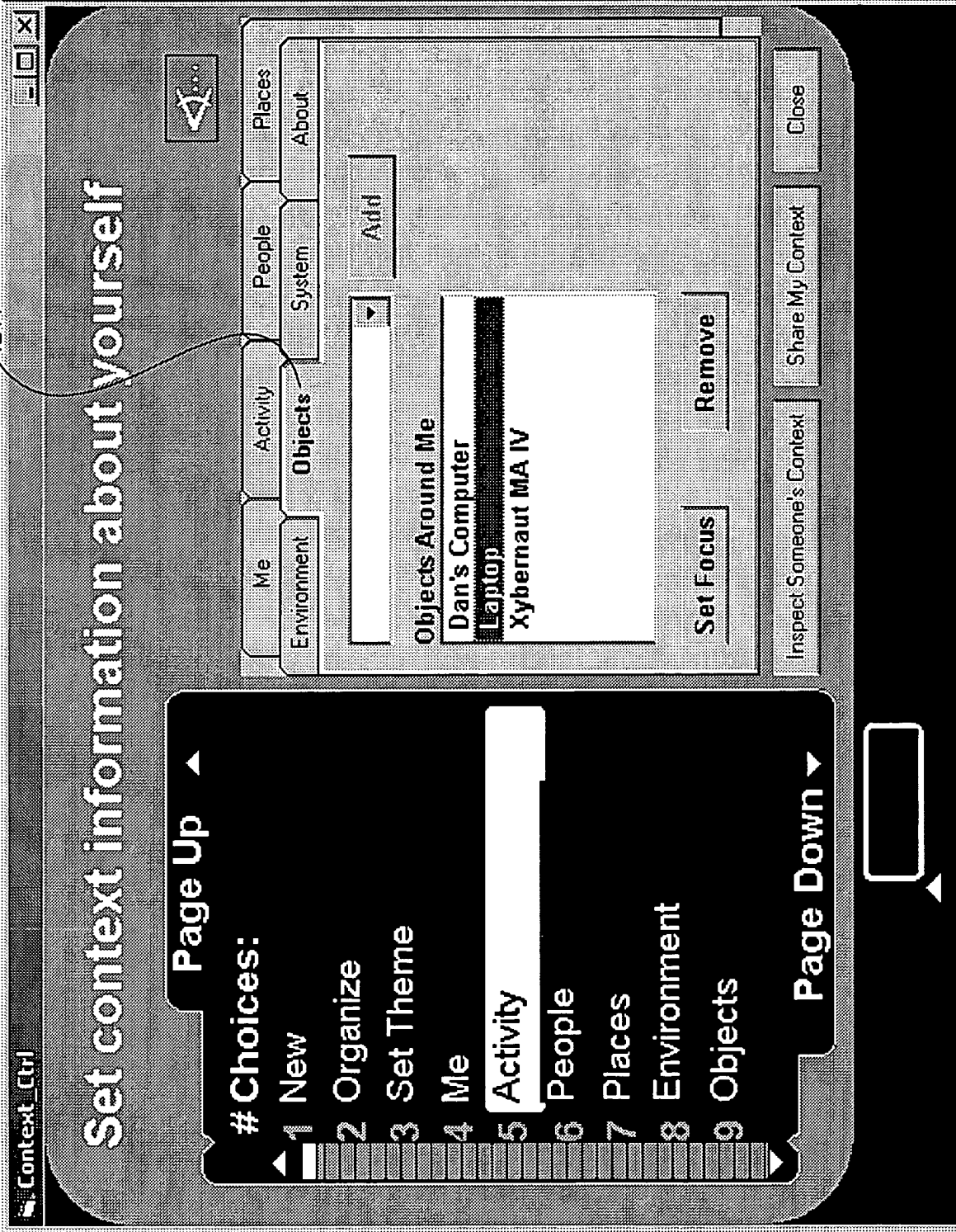


Fig. 12F

1245

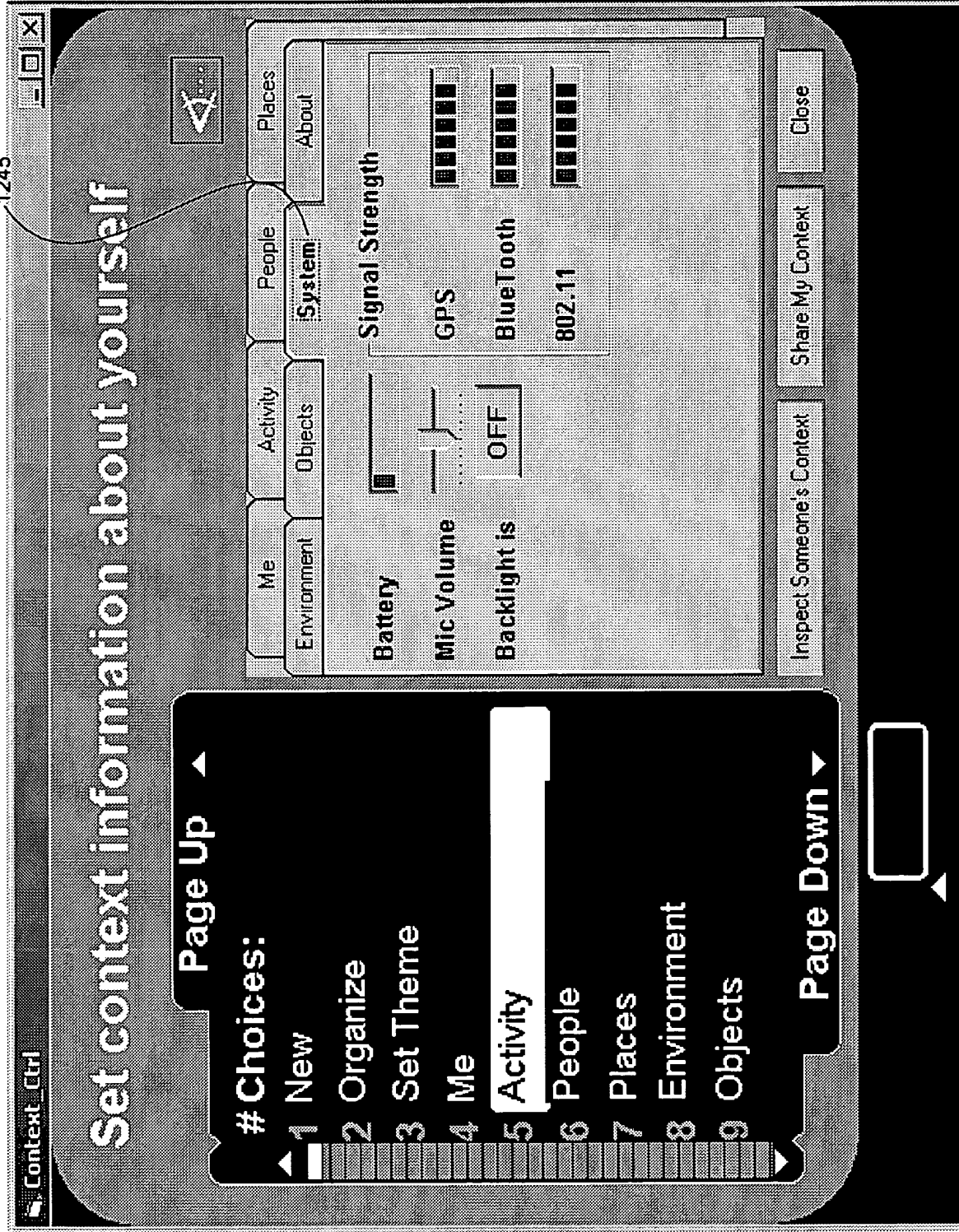


Fig. 12G

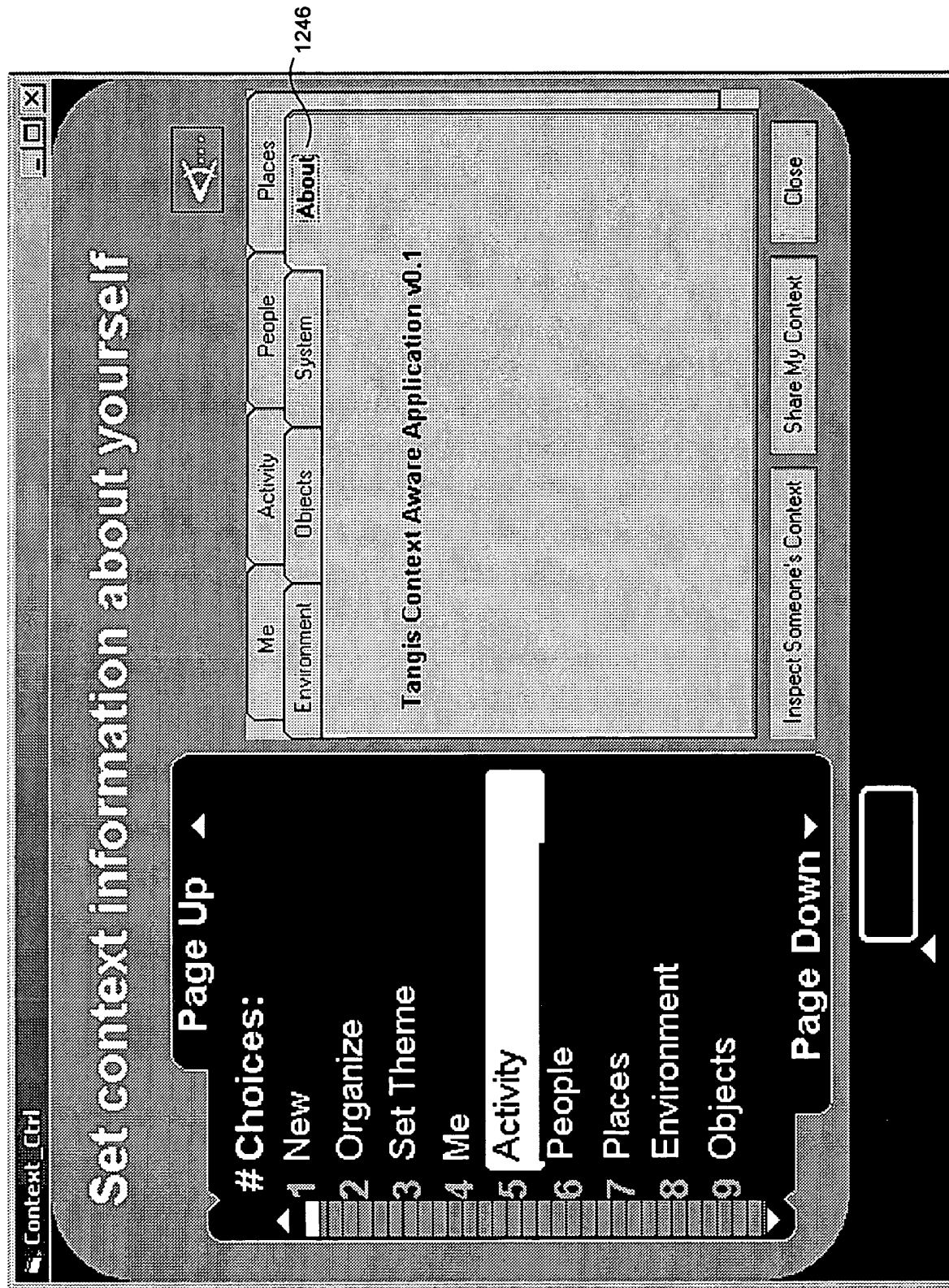


Fig. 12H

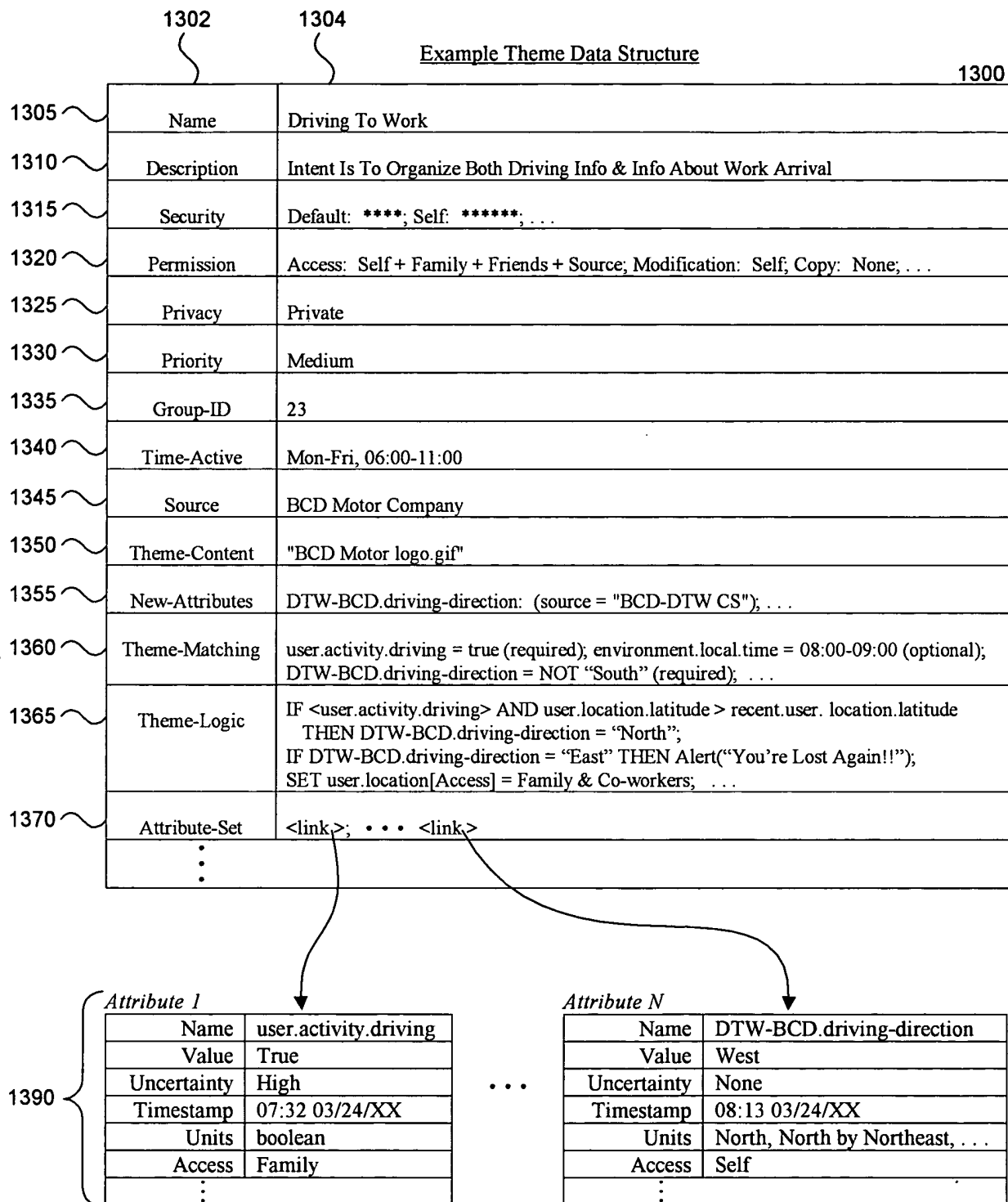


Fig. 13

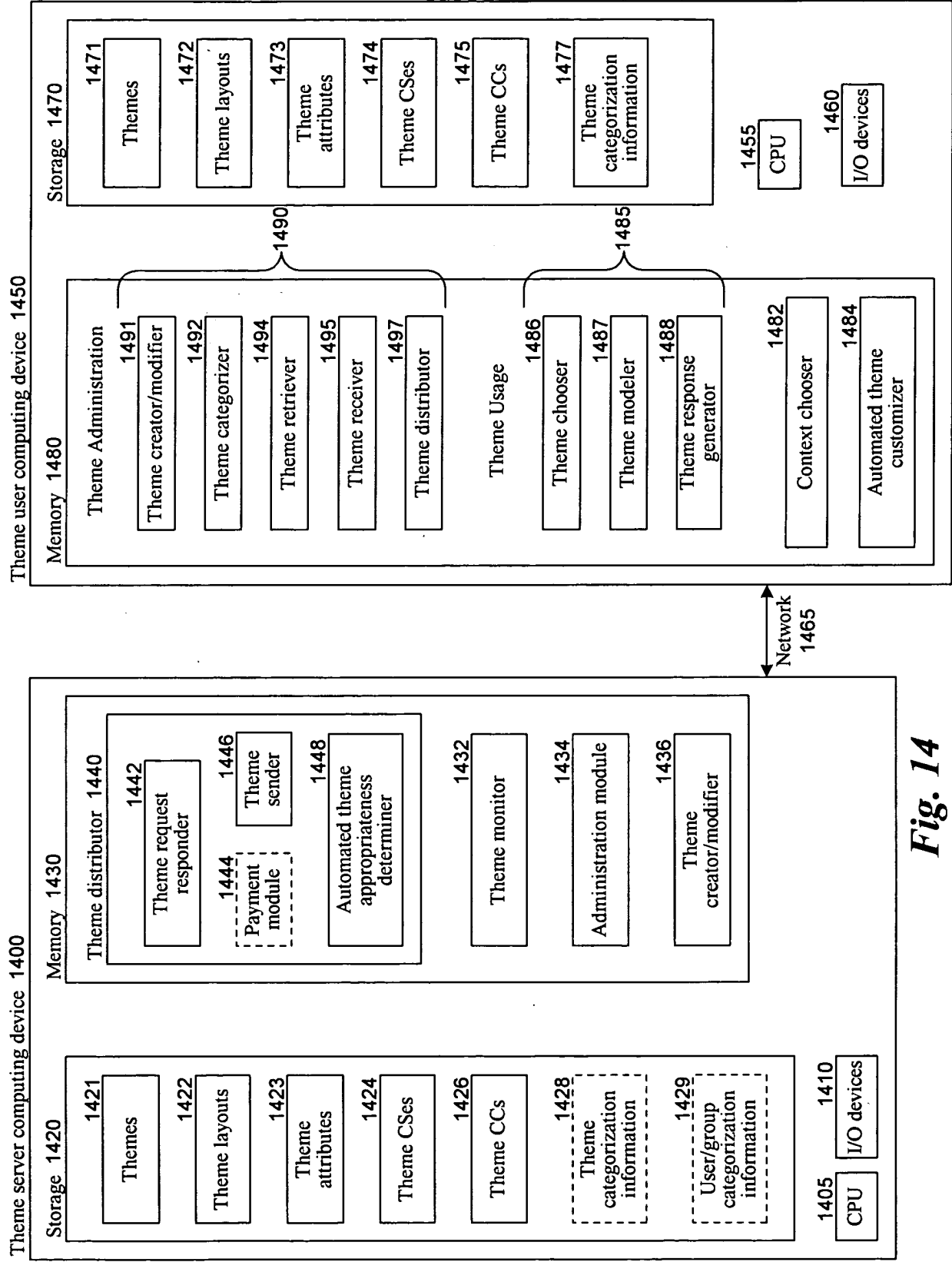


Fig. 14

Fig. 15

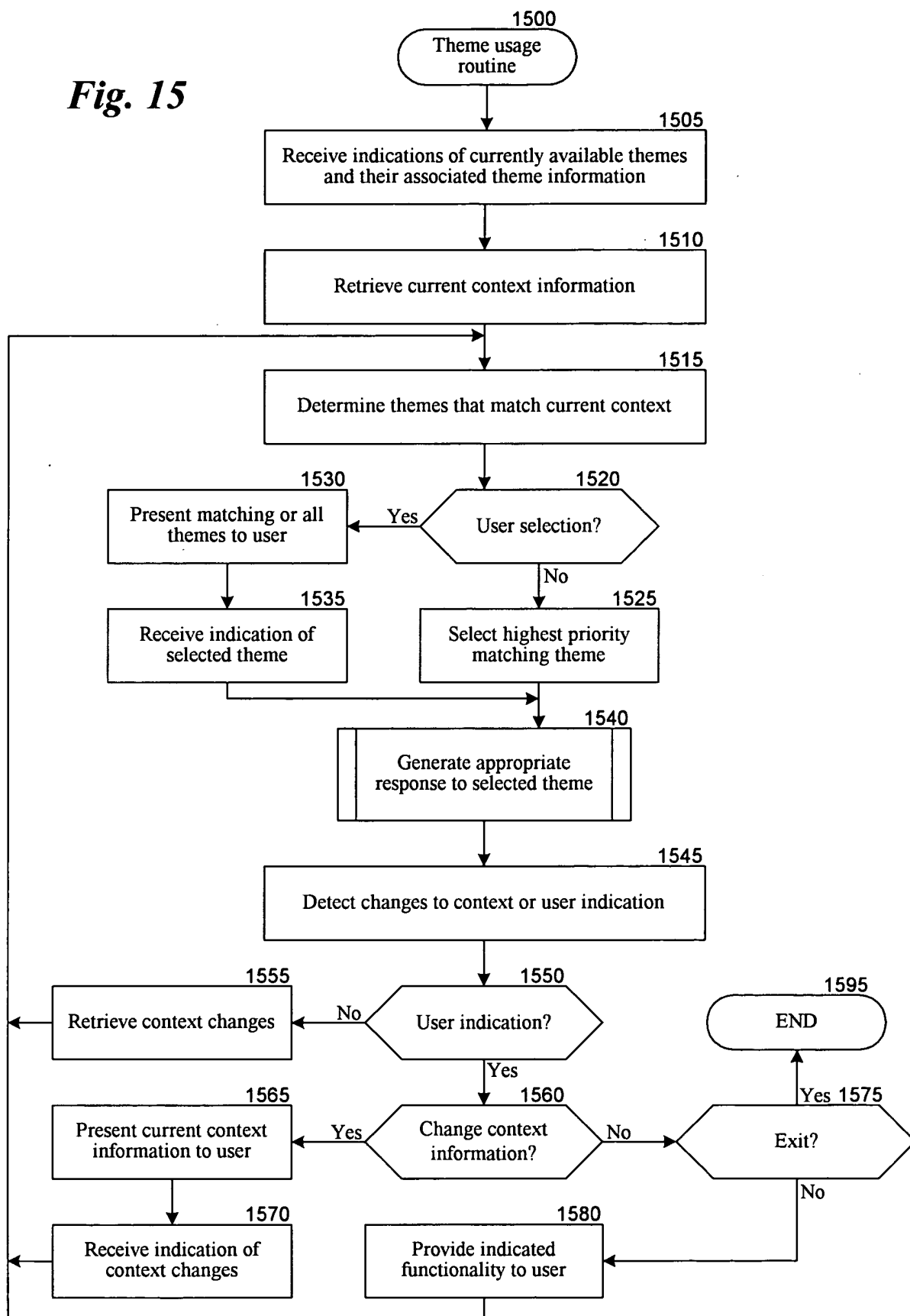


Fig. 16

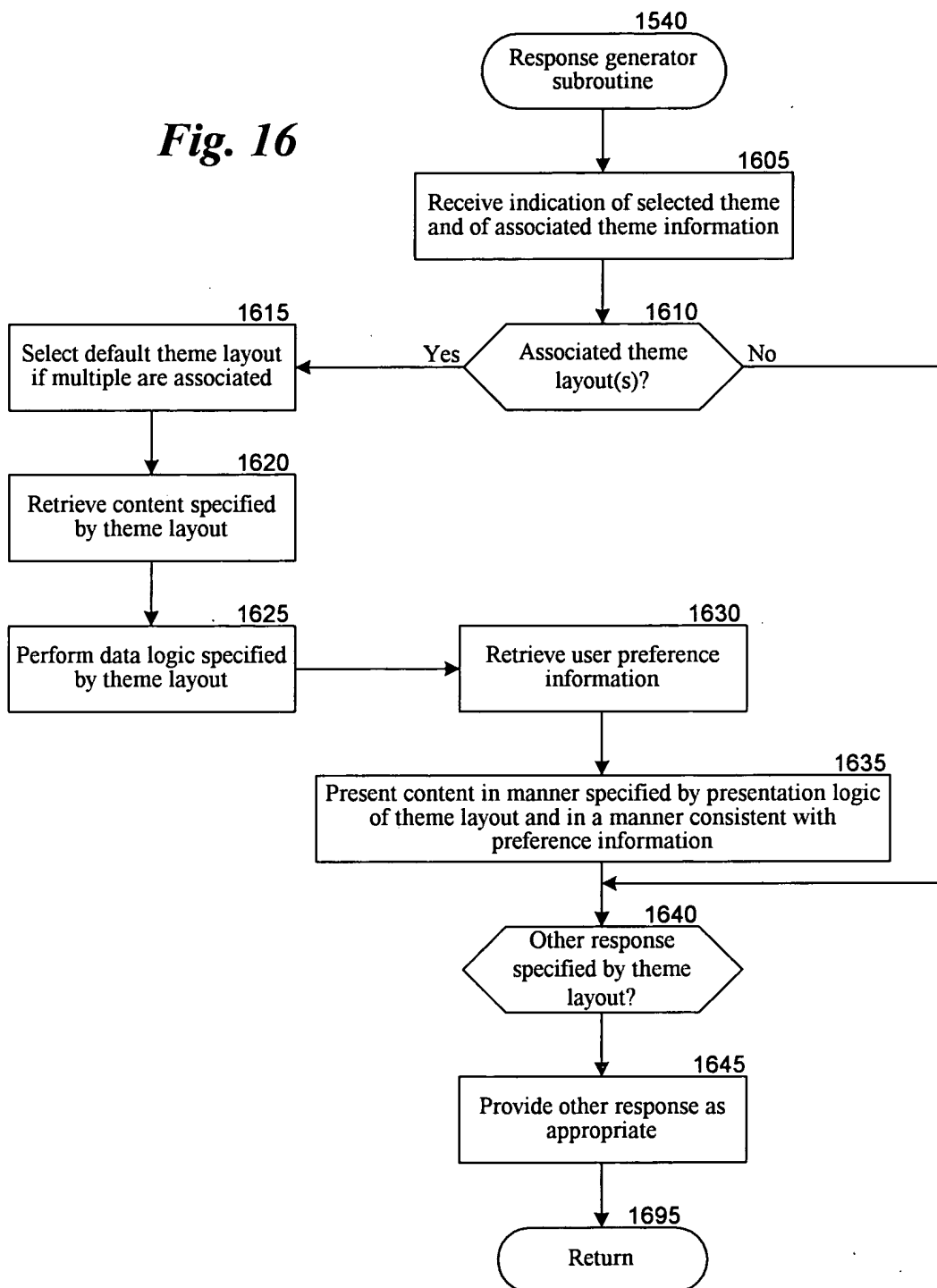


Fig. 17

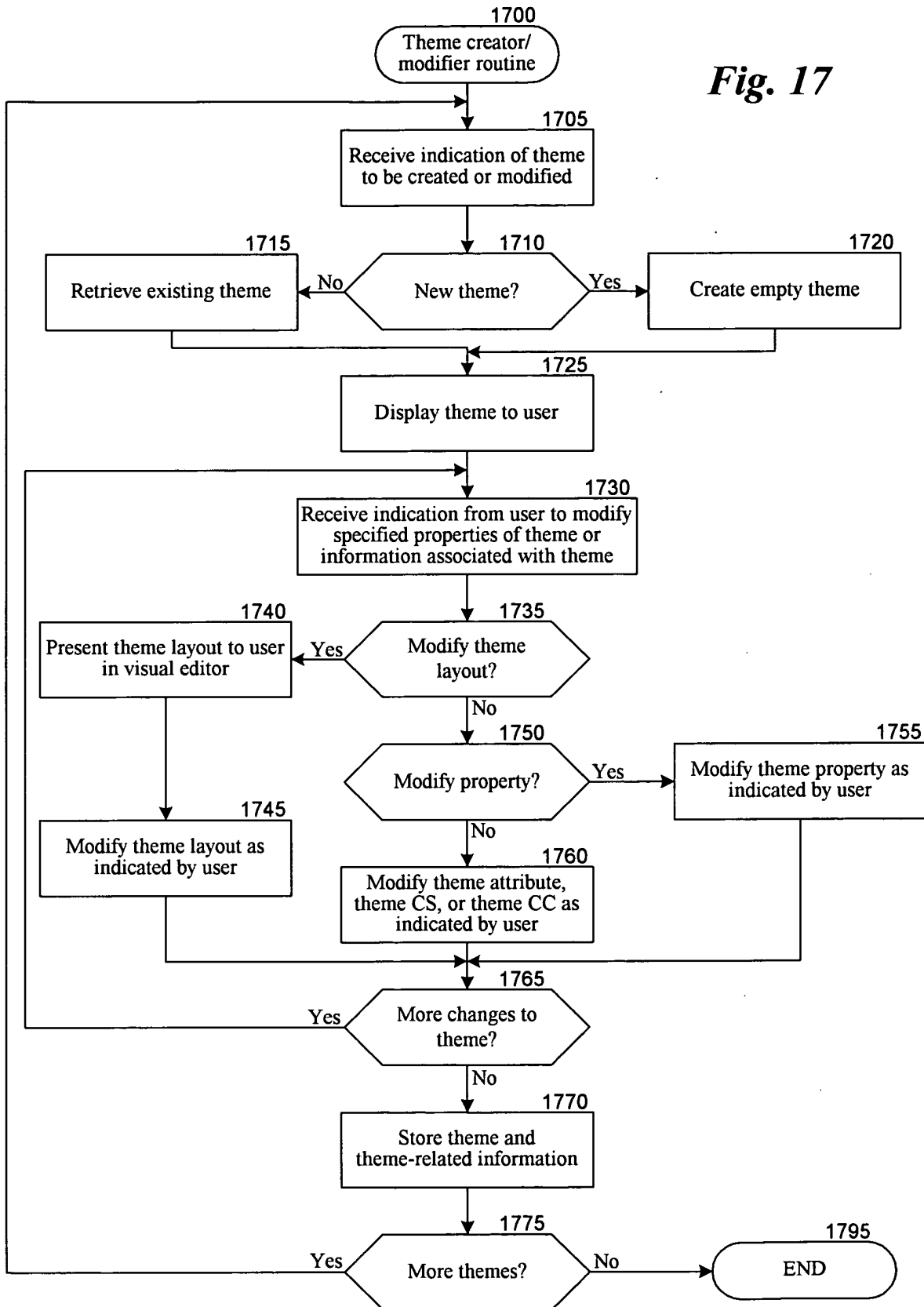
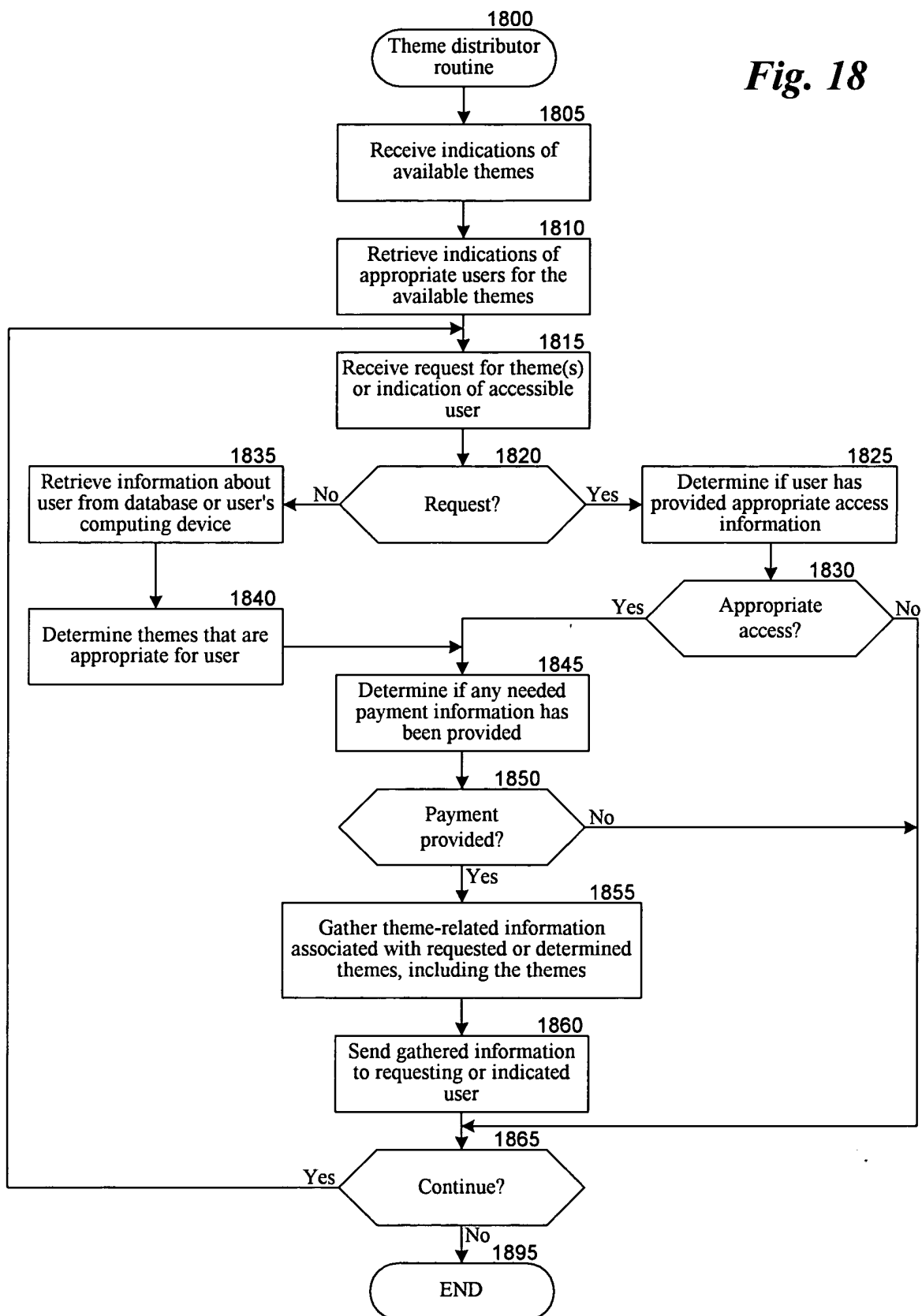


Fig. 18



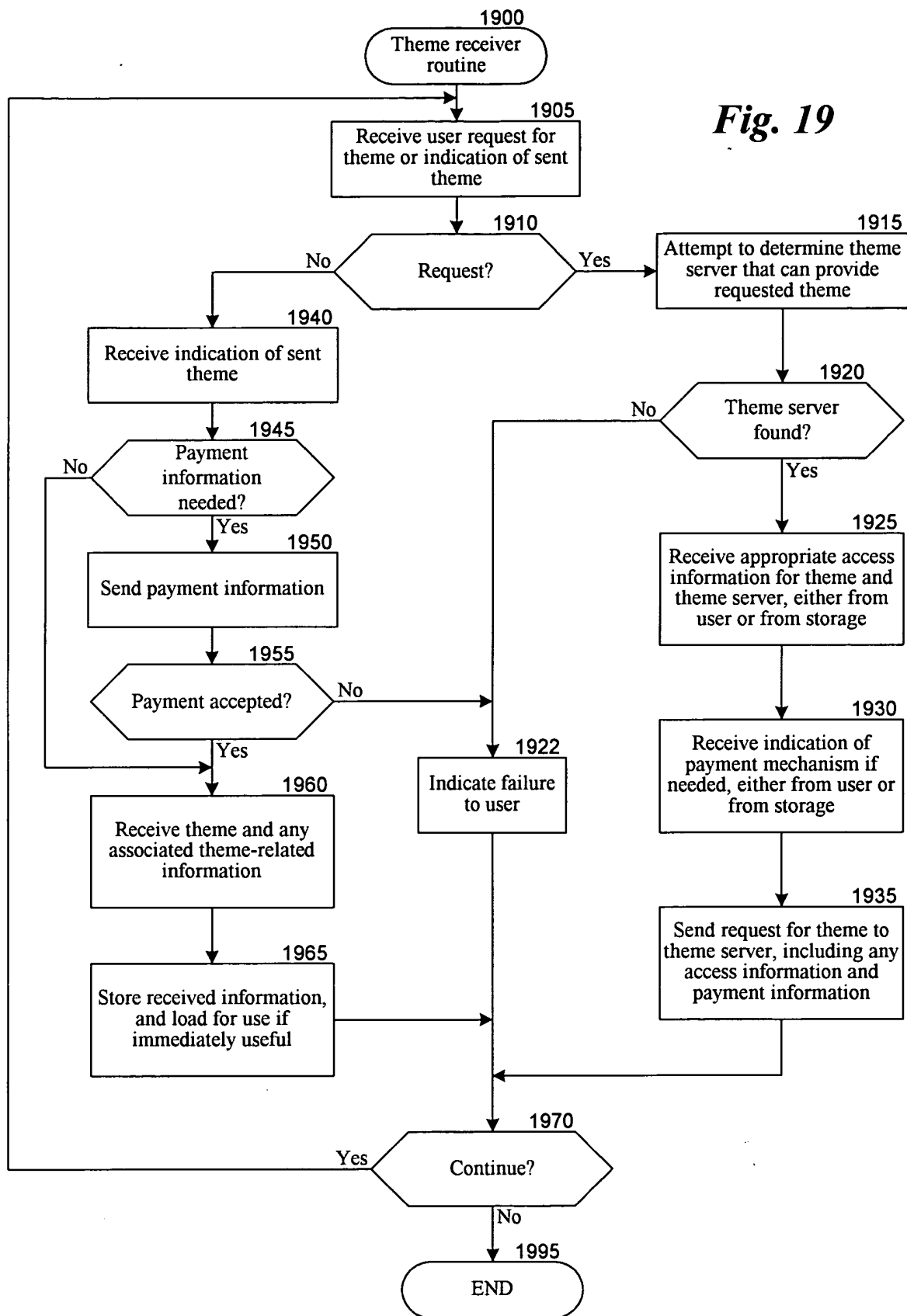
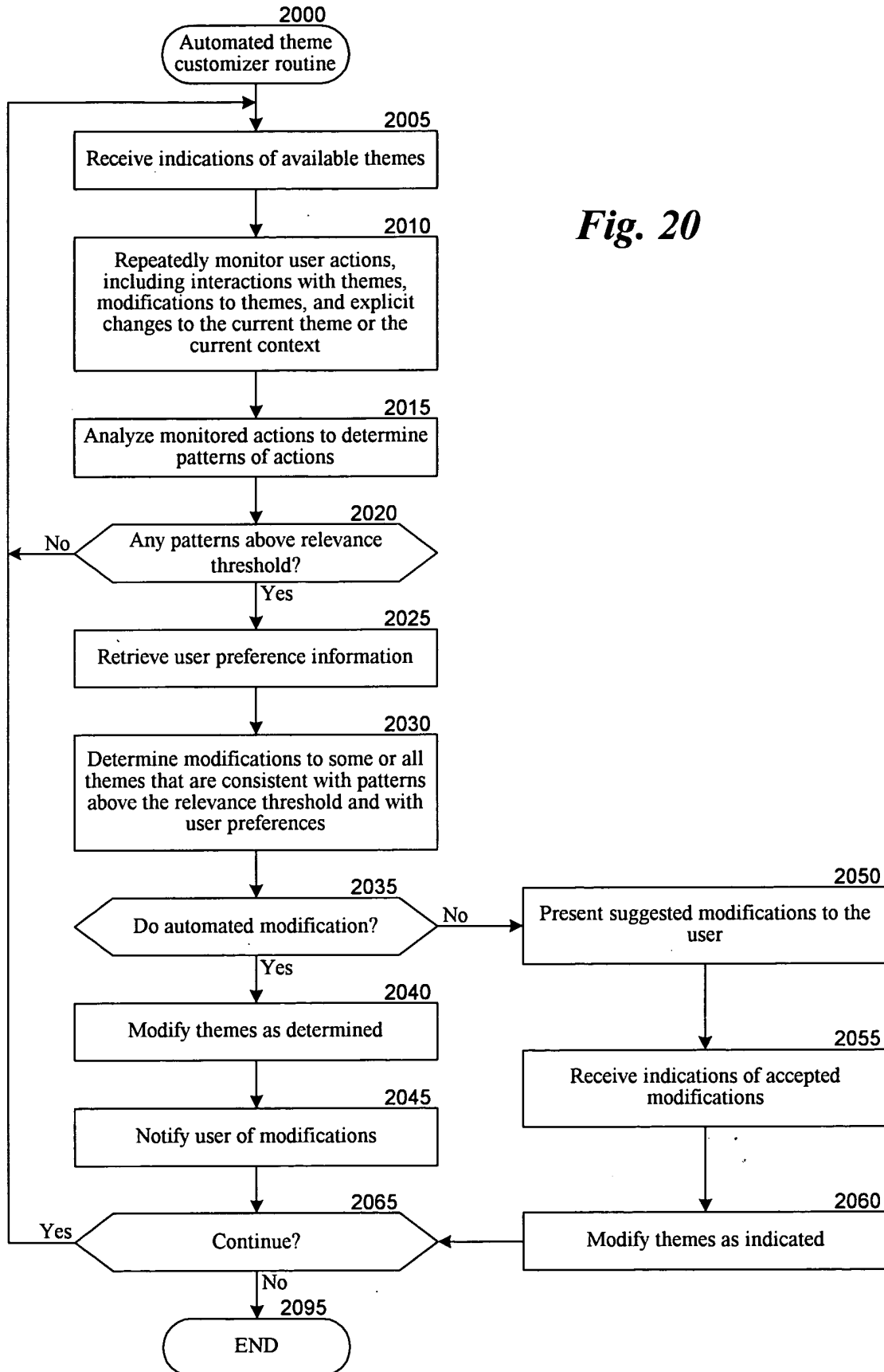


Fig. 20



04825159.071901